

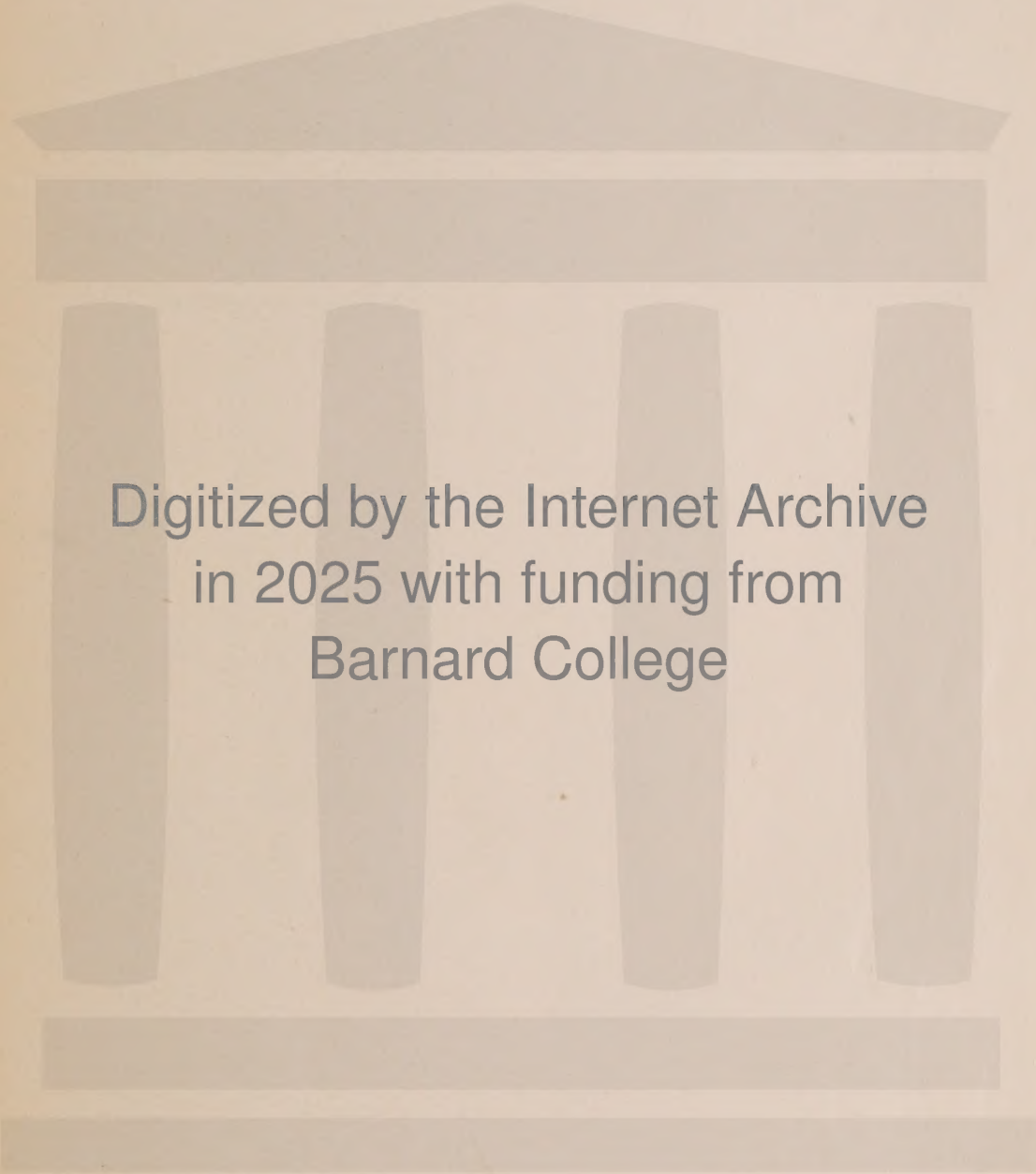


Columbia University
Bulletin of Information

BARNARD COLLEGE

ANNOUNCEMENT

1942—1943



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BARNARD HALL, BARNARD COLLEGE

Columbia University
in the City of New York

BARNARD COLLEGE

1942 — 1943



MORNINGSIDE HEIGHTS
NEW YORK

Form of Bequest

To Barnard College I give and bequeath the sum of \$. for the uses and purposes of said Corporation.

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9

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II

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¹ Absent on leave, 1942-43.

Other Officers of the University who give instruction in Barnard College will be found in the lists at the head of departmental announcements.

Emeritus Professors

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HELEN ERSKINE, A.M.	<i>Assistant to the Dean — Public Relations</i>
CHRISTINA P. GRANT, Ph.D.	<i>Assistant to the Dean — Student Organizations and Social Affairs</i>
LORNA F. MCGUIRE, Ph.D.	<i>Freshman Adviser</i>
ALICE B. RHOADS, A.M.	<i>Assistant to the Dean</i>
MARGARET GIDDINGS, A.B.	<i>Registrar</i>
ELINORE E. FIERO	<i>Assistant Registrar</i>
FREDERICK A. GOETZE, M.Sc.	<i>Treasurer of the University</i>
REV. STEPHEN F. BAYNE, Jr., S.T.M.	<i>Chaplain of the University</i>
WILLIAM H. MCCASTLINE, M.D.	<i>University Medical Officer</i>

Barnard College

GENERAL STATEMENT

COLUMBIA UNIVERSITY. — Columbia University had its origin in the royal charter granted by Letters Patent in the reign of George II, King of England, to the Governors of the College of the Province of New York, in the City of New York, in America, creating them a Body Corporate to erect and maintain a college to be known as King's College "for the Instruction and Education of Youth in the Learned Languages and Liberal Arts and Sciences"; with power to elect their successors, to hold property, to appoint a president, fellows, professors, and tutors, and to confer degrees.

Because of its early relationship to Trinity Church and the grant to King's College of a valuable tract of land which was a portion of the Queen's Farm, there has always existed a close relationship between the religious life of the College and the Protestant Episcopal Church. The services at the College Chapel are in accordance with the liturgy of that church.

The Revolutionary War interrupted the active work of the institution, but in 1784 it was reopened as Columbia College. In 1912 the title was changed to Columbia University in the City of New York.

The University at the present time consists of Columbia College, the undergraduate college of liberal arts for men, which offers a program of studies leading to the degree of Bachelor of Arts; the School of Law, with courses leading to the degrees of Bachelor of Laws, Master of Laws, and Doctor of the Science of Law; the College of Physicians and Surgeons, with courses leading to the degrees of Doctor of Medicine, Doctor of Medical Science, Doctor of Public Health, and Master of Science in public health, and with courses in nursing leading to the degree of Bachelor of Science, or to the diploma in nursing; the School of Engineering, with courses leading to the degree of Bachelor of Science, the several engineering degrees, and the degree of Master of Science; the School of Architecture, with courses leading to the degrees of Bachelor of Architecture and Master of Science; the School of Journalism, with courses leading to the degree of Master of Science; the School of Business, with courses leading to the degrees of Bachelor of Science and Master of Science; the School of Dental and Oral Surgery, with courses leading to the degree of Doctor of Dental Surgery; the School of Library Service, with courses leading to the degrees of Bachelor of Science and Master of Science; the nonprofessional Graduate Faculties of Political Science, Philosophy, and Pure Science, with courses leading to the degrees of Master of Arts and Doctor of Philosophy. In addition to these schools and faculties, the University includes the independent corporations of Barnard College (1889), the undergraduate college for women, with courses leading to the degree of Bachelor of Arts; Teachers College

(1898), with courses offered under the Faculty of Teachers College leading to the degrees of Bachelor of Science, Master of Arts, and Master of Science; the Advanced School of Education in Teachers College (1935), with programs of study leading to the degree of Doctor of Education, and under the Department of Educational Research of the Faculty of Philosophy or the University Joint Committee on Graduate Instruction, to the degree of Doctor of Philosophy; the College of Pharmacy (1904), with courses leading to the degrees of Bachelor of Science and Master of Science; Bard College (1928), Annandale-on-Hudson, New York, an undergraduate college for men with courses leading to the degree of Bachelor of Arts; Union Theological Seminary (1928) whose faculty conducts certain University work leading to the degree of Master of Arts; New York Post-Graduate Medical School (1931), which offers advanced work in medicine, and the New York School of Social Work (1940), with courses leading to the degree of Master of Science.

The University maintains three sessions during the year: the Winter Session, beginning the last Wednesday of September and ending the first Tuesday of February; the Spring Session, beginning the first Wednesday of February and ending the second Wednesday of June; and the Summer Session of six weeks' duration, beginning immediately after July 4. Through its system of University Extension the opportunity is offered to men and women to pursue subjects included in a liberal education, and to take courses toward a diploma or an academic degree.

FOUNDING OF BARNARD COLLEGE. — Barnard is the undergraduate college for women of Columbia University. In 1889 a group of men and women, who wished to provide for women in the City of New York a college education fully equal to that offered to men, succeeded in obtaining the sanction of the Trustees of Columbia for the establishment of an affiliated woman's college. A charter was granted by the State of New York, and promises of subscriptions for the support of the college during the first four years of its existence were secured. Because President Frederick A. P. Barnard of Columbia College had for many years been an ardent advocate of the admission of women to Columbia, the founders of the new college gave it his name. With seven instructors selected from the teaching staff of Columbia and with fourteen regular and twenty-two special students, Barnard opened in the fall of 1889 in a rented house at 343 Madison Avenue.

RELATION TO THE UNIVERSITY. — In 1900 when the growth of the College had made inappropriate the original informal arrangement for instruction, an agreement was made between the Trustees of Columbia College and of Barnard College by which Barnard was incorporated in the educational system of the University. By the provisions of this agreement, the President of the University is *ex officio* President of Barnard College. Barnard professors are appointed by the University on the nomination of the Dean with the approval of the President and the Trustees, and rank as professors of the University. The College is represented on the University Council by its Dean and two elected representatives. The graduates of Barnard receive their degrees from Columbia, and these degrees are maintained as of equal value with corresponding degrees conferred upon the graduates of Columbia College. The University libraries are open to women on the same terms as to men. Various opportunities in other

schools of the University have also, through the relation of Barnard College to Columbia, been opened to Barnard students. On the other hand, Barnard has its separate corporate and financial organization, with its own Board of Trustees. It retains its own internal administration, conducted by the Dean, who is appointed by the President with the advice and consent of the Trustees of Barnard. Its courses are determined and administered by its own Faculty, consisting of all professors who give instruction at Barnard.

BUILDINGS AND GROUNDS. — Since 1897 Barnard has occupied the land on Broadway between 119th and 120th Streets, just west of the main buildings of the University. In 1903 Milbank Quadrangle, extending from 119th to 116th Streets, was added through the gift of Mrs. A. A. Anderson. In 1936, largely through a gift from the General Education Board, the College purchased Riverside Quadrangle, between 119th and 120th Streets, Claremont Avenue and Riverside Drive. Milbank Hall and Brinckerhoff Hall, erected in 1896, the gifts respectively of Mrs. Anderson and Mrs. Van Wyck Brinckerhoff, and Fiske Hall, erected in 1898, the gift of Mrs. Josiah M. Fiske, are three adjoining buildings on 119th Street; they contain the administrative offices, lecture rooms, and laboratories. Brooks Hall, a residence hall at the southern end of the Quadrangle on 116th Street, was erected in 1907. A residence hall adjoining Brooks Hall and known as Hewitt Hall was completed in 1925. Barnard Hall, given by Mr. Jacob H. Schiff and erected in 1917, is on Milbank Quadrangle near 117th Street; it contains the gymnasium, swimming pool, lunch-room, reading room, doctors' and nurses' offices, and rooms for student organizations. Riverside Building, a former private house on Riverside Drive, provides temporarily a few offices and classrooms.

HAMILTON GARDENS AND ARBORETUM ("NEVIS"). — The Hamilton Gardens and Arboretum ("Nevis"), an estate of approximately sixty-eight acres, the gift of Mrs. T. Coleman du Pont, of Wilmington, Delaware, is located at Irvington-on-Hudson, about sixteen miles north of New York City. Classes in landscape architecture and general horticulture meet at "Nevis," and special lectures are arranged from time to time. The Institute of Horticulture, under the auspices of the University, is conducted at "Nevis" in the summer.

FINANCIAL STATEMENT. — The College owns equipment, buildings, and grounds of a value of \$4,300,000, and holds productive funds providing a net income of about \$200,000.

COURSE OF STUDY. — Barnard College offers to women a course of undergraduate instruction in the liberal arts and sciences of four years' duration, leading to the degree of Bachelor of Arts.

Students who wish two years only of collegiate work, in preparation for professional schools, may enter under the same conditions as those intending to complete the requirements for the Bachelor of Arts degree, and take, during the freshman and sophomore years, a program modified to meet the requirements of the professional school to which the transfer is to be made.

Under certain circumstances, Barnard students in the Bachelor of Arts course may, after three full years of work at Barnard College, receive permission to substitute the first year of an approved professional school for the senior year at college, and still obtain the Bachelor of Arts degree.

ACADEMIC DISCIPLINE. — The continuance of each student upon the rolls

of the University, the receipt by her of academic credits, her graduation, and the conferring of any degree or the granting of any certificate are strictly subject to the disciplinary powers of the University, which is free to cancel her registration at any time on any grounds which it deems advisable. The disciplinary authority of the University is vested in the President in such cases as he deems proper, and, subject to the reserve powers of the President, in the Dean of each Faculty and the Director of the work of each administrative board.

RESIDENCE. — All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless for reasons of weight they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Assistant to the Dean in charge of Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

ADMISSION

TO COLUMBIA UNIVERSITY IN GENERAL. — A student who has fulfilled the preliminary qualifications for candidacy for a degree, certificate, or diploma in regular course is enrolled as a matriculated student of the University. Acceptance is based on the grounds of character and health as well as on the fulfillment of academic requirements. A period of regular attendance upon all stated academic exercises amounting to at least one academic year must be completed by every candidate for a degree.

Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance should make application to the appropriate authority for equitable relief.

In exceptional circumstances a student not enrolled as a matriculated student may be admitted to the University as a nonmatriculated student, with permission to attend such courses of instruction as he or she is qualified to take, but not as a candidate for a degree, certificate, or diploma in regular course. Nonmatriculated students are expected to conform to the same standards of attendance and scholarship as are required of matriculated students. Nonmatriculated students may receive a formal statement of the satisfactory completion of any course. (See page 22.)

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registered in any school or college of the University shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the appropriate Dean or Director.

Admission to the several schools and colleges of Columbia University presupposes certain educational qualifications, but the possession of these qualifications does not entitle a candidate to admission unless his or her character and personality are acceptable to the University and unless he or she is physically fit to do the work which he or she desires to undertake. Satisfaction of the minimum requirements for admission to a school does not insure admission, particularly if the school be crowded.

TO BARNARD COLLEGE IN PARTICULAR. — Barnard College selects its students from an eligible list consisting of all candidates who present satisfactory evidence of good character, good health, and good intellectual ability and preparation.

In choosing the members of its Freshman Class and also the students from other colleges admitted to higher standing, the College keeps in mind the desirability of having a student body which, though reasonably congenial, will be as far as possible a cross-section of the country geographically, economically, socially, and in other ways, so that it will be educationally valuable for the members to know one another and work together. This consideration may influence the selections of the Committee on Admissions.

PRELIMINARY APPLICATION FOR ADMISSION. — Each student who plans to enter the College should file a preliminary application for admission with the Secretary to the Committee on Admissions at as early a date as possible, preferably before March 1, accompanied by a money order or draft for \$10, payable to Barnard College. This application fee will not be credited on the college fees nor refunded for any cause.

Students who wish to begin their freshman year in the Summer Session should apply to the College for information and advice.

ADMISSION TO THE FRESHMAN CLASS

Candidates must be at least fifteen years of age and must submit the following credentials:

1. Satisfactory evidence of good character, personality, and promise. Confidential reports from the applicant's school principal and teachers are given most weight. Whenever possible a personal interview with a member of the Admissions Office staff is desired. When this is not possible a photograph must be submitted and the names of at least three responsible citizens who know the candidate personally given as references.

2. Satisfactory evidence of good health. This must consist of a health history and a report of a health examination. The necessary forms, which must be filled out and returned to the Barnard College Physician, will be supplied by the Secretary to the Committee on Admissions.

3. Satisfactory evidence of intellectual ability and preparation. This should consist normally of graduation from an approved secondary school, or some equivalent education acceptable to the College, in addition to records made in certain tests.

The school course should normally include four years of work in English, three years in some foreign language, two years in another foreign language, a year of algebra, and a year of plane geometry, but exceptions may be made under special conditions. The rest of the course should be selected mainly from history, science, additional languages, additional mathematics, music, and art.¹

The tests required are the Scholastic Aptitude Test, which all candidates must take, and such achievement tests of the College Entrance Examination Board as

¹ For pre-medical students additional work in mathematics and German is advised.

may be determined by the Committee on Admissions after consideration of the school record.

The emphasis will be placed on the candidate's ability to do college work successfully. If a student is admitted to Barnard College, she will be admitted without entrance conditions. If the time in secondary school has been curtailed, or if the school record is lacking in some essential element, the College may require an additional term of work for graduation.

GENERAL INFORMATION CONCERNING EXAMINATIONS

The College Entrance Examination Board will administer three series of examinations in 1942. On Saturday, April 11, it will hold the Scholastic Aptitude Test (including a mathematical section) and nine achievement tests. On Friday afternoon, June 12, the Board will hold the Mathematics Attainment Test (Part I) and on Saturday, June 13, the Scholastic Aptitude Test (including a mathematical section) and nine achievement tests. The June program will be repeated on September 9 and 10. Bulletins regarding each series, containing the places of examination and other information, may be obtained without charge from the Executive Secretary of the College Entrance Examination Board.

Candidates for any of the three series should make application by mail to the Executive Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y. Blank forms for this purpose will be sent to any teacher or candidate upon request. In order to facilitate the making of arrangements for the conduct of the tests, all applications should be filed as early as possible. Each application should be accompanied by a fee of \$10, except for candidates taking only the Scholastic Aptitude Test for whom the fee is \$5.

The applications and fees of all candidates who wish to take the tests should reach the Executive Secretary of the Board not later than the dates specified in the following schedule:

For examination centers	April Series	June Series	September Series
East of the Mississippi River or on the Mississippi	March 21	May 25	August 19
West of the Mississippi River, or in Canada, or in Mexico	March 14	May 18	August 12
Outside of the United States, Canada, and Mexico	February 14	May 4	.....

An application which reaches the Executive Secretary later than the scheduled date will be subject to a penalty fee of \$5 in addition to the regular fee.

When a candidate has failed to obtain the required blank form of application, the regular fee will be accepted if it arrives before the required date and is accompanied by the candidate's name and address, the exact examination center selected, the college to which her report is to be sent, and the test or tests she wishes to take.

A candidate desiring to take the Scholastic Aptitude Test, even though she is to take no other test, must file with the Executive Secretary of the Board the

usual application for examination. A practice form and a sample answer sheet will be mailed to every candidate who registers for the Test in order that all candidates may be familiar with the form in which the Test is printed.

Candidates are requested to report for morning tests at 8:45 and for afternoon tests at 1:45. The tests will be held in accordance with the time (Standard Time or Daylight Saving Time) observed in the local schools.

The College Entrance Examination Board will report to the institution indicated on the candidate's application the results of her tests. Candidates will not receive reports upon their tests from the Board.

Candidates who plan to begin the freshman year in the Summer Session will be expected to take the April series of tests.

ADDITIONAL INFORMATION CONCERNING THE APRIL SERIES

A candidate who takes the April tests for admission to college should secure a blank form of application from the College Entrance Examination Board; a candidate who takes them in order to qualify for a scholarship must secure the application from the college offering the scholarship.

No detailed outline of the material covered by the achievement tests is published. A brief description of the nine achievement tests, which are as follows, is given in the bulletins of information: Social Studies, Spatial Relations, four languages (French, German, Latin, Spanish), and three sciences (Chemistry, Physics, Biology). A candidate may not take more than three of these sections.

ADMISSION TO ADVANCED STANDING

Students who have satisfactorily completed at least a year of work at an acceptable college, scientific school, or foreign institution of equivalent grade may be admitted with such advanced credit as their previous records may warrant. In general a candidate with a good record transferring to Barnard from a similar college of equal standing will receive at Barnard a year's credit for a year's work at the institution from which she comes.

Each candidate should send to the Committee on Admissions with her application a catalogue of her college plainly marked, showing entrance credit and courses taken. These should be accompanied by an official transcript of her college record, including entrance credit. If for any reason a student cannot obtain an official record until the end of the term, she may substitute her report cards. One or the other must be in the hands of the Committee on Admissions before the Committee on Transfers can estimate her standing in Barnard College. The Committee on Transfers may give an applicant a tentative estimate of the time she will be expected to spend at Barnard in order to secure a degree, and the prescribed work she will be asked to do. Final determination of these matters lies with the Committee on Transfers, which reserves the right of re-adjusting credit at any time. These reports should be received by the Committee on Admissions by July 1 for admission in September and by December 1 for admission in February; otherwise action on the case may be delayed until just

before the opening of college. Final action on admission depends upon (1) the honorable dismissal, (2) the certificate of good moral character from an authorized representative of her college, and (3) the certificate of sound health.

No applicant may enter the senior class as a candidate for a degree after October 15 in any year, and no student will receive a degree who has resided less than two full sessions (winter or spring) at Barnard College. (See also paragraph 6, page 35.)

A candidate for admission with advanced standing from a junior college may be asked to take some form of examination for admission (the Scholastic Aptitude Test, if her records warrant it), and if admitted, will be allowed to enter courses that succeed her junior college courses. No definite credit for her junior college work can be assigned until after she has had an opportunity to establish a good record at Barnard.

ADMISSION AS SPECIAL STUDENTS

Women who wish, without working toward a degree, to make a serious study of some subject or group of subjects, may, with the approval of the Committee on Admissions, enter Barnard as nonmatriculants, not candidates for the degree. They need not pass formal entrance examinations, but they must submit satisfactory credentials in regard to character and qualifications for the courses they wish to take.

Candidates for admission as nonmatriculants must be mature. They may not pursue merely elementary courses. They must not, within ten months of the time of application, have been rejected or become deficient as regular students.

They will be held to the observance of the same regulations as to attendance, examination in course, proficiency, and deficiency as regular students. They are also subject to the usual health regulations (see page 50).

They are entitled to a formal statement as to the satisfactory completion of the work that they have taken. They may, in view of a good record in college courses, be transferred by the Committee on Instruction to the matriculated basis as candidates for a degree.

REGISTRATION

REGISTRATION. — Before attending any University exercise each student shall comply with the regulations in regard to registration and payment of fees. She shall present herself in person at the office of the Registrar and shall there file a registration blank giving such information as may be required for the College records.

Every new student shall also at the time of registration file a statement of the courses which the Committee on Instruction has authorized her to pursue. Students already in college shall give notice of their choice of elective courses for each session to the Registrar on dates to be announced from time to time by the Committee on Instruction. Failure to file a program during the period announced by the Committee on Instruction will cause the student to incur a fee of \$10 for this privilege. Students in college who defer filing programs from April until after Commencement will incur a fee of \$20.

In September the office of the Registrar will be open for registration on Friday, September 18, 1942, for old students only and on Monday and Tuesday, September 21 and 22, for both old and new students. New students may register also on Wednesday, September 23, 1942.

In February, students who have been in attendance during the winter session and who have filed in December programs which have been approved may complete their registration during specified hours on Friday, January 29, and on Monday, February 1, 1943.

Registration after 4 P.M. on Monday, February 1, 1943, by a student whose program has been approved will be considered a late registration and will involve the payment of a late registration fee.

Students whose programs have not been approved for one reason or another by the Committee on Instruction will be required to defer registration until Tuesday, February 2, 1943.

All new students entering in February will register on Tuesday, February 2, 1943.

Students registering late are charged an additional fee of \$5 and are held accountable for absences thus incurred.

Each student who holds a scholarship shall present her scholarship certificate to the Bursar *at the time of registration*.

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registering in Barnard shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the Dean.

WITHDRAWAL. — An honorable discharge will always be granted to any student in good academic standing, and not subject to discipline, who may desire to withdraw from the College, but no student under the age of twenty-one years shall be entitled to a discharge without the assent of her parent or guardian furnished in writing to the Dean. Students withdrawing are required to notify the Registrar. (See also **REBATES**, below.)

GENERAL STATEMENT REGARDING FEES AND THE REGULATIONS GOVERNING THEIR PAYMENT

All fees are payable semiannually in advance at the Bursar's office, and no reduction is made for late registration. Registration is not complete until registration, tuition and laboratory fees are paid. Inasmuch as the registration fee is charged for the actual process of fulfilling all the requirements of the Registrar's office, it is incurred when the student receives her bill and must be paid even if she withdraws before attending classes. Failure to pay fees on or before the last day of registration (see Academic Calendar) imposes automatically the statutory charge of \$5 for late registration. In special cases, for satisfactory reasons and upon payment of a nominal fee, permission may be obtained from the Bursar to defer the payment of one half — that is, \$95 — of the tuition fee for the session until approximately mid-term — November 6 or March 12 — provided that permission is granted *before* September 4 or January 15. *Any*

FEEES

application for the privilege of deferred payment made after September 4 or January 15 will be considered late payment and as such will be subject to a \$5 late payment fee. In every case where the privilege of deferred payment has been granted, each payment must be made on the due date or an additional \$5 late payment fee will be incurred.

Under the regulations, the privileges of the College are not available to any student delinquent in the payment of her fees.

The fees to be paid by students are subject to change at any time at the discretion of the Trustees.

Checks in payment of all fees, including those for charges in the residence halls, should read "Pay to the order of Barnard College," and should be made out for the exact amount of the payment. As change will not be given on checks, no check which is made out for more than the correct amount will be accepted.

REBATES. — Tuition fees alone are subject to rebate. Rebates may be allowed

- 1. For courses discontinued on or before the second Saturday of each session. After that date no fees will be returned for any course which the student may for any reason discontinue.
- 2. For total withdrawal from the college, when a pro rata return of fees may be authorized by the Registrar. When such a rebate is allowed it *must be applied for in writing at the time of withdrawal* and will be reckoned from the date upon which the Registrar receives notice from the student.

FEEES

Application fee, payable when application for admission is filed . . . \$ 10.00
This fee is not credited on the bill and is never refunded. It should not be confused with the registration fee, payable each session (see below).

Fees, payable each session for a *matriculated student* enrolled

- 1. For 10 points or more:
 - Registration fee \$ 10.00
This fee is due each session when the Registrar issues the bill to the student and is never refunded.
 - Tuition fee 190.00
 - Student activities fee 3.50
 - For all regular and unclassified students for each winter or spring session or any part thereof

\$203.50
- 2. For 9 points or less:
 - Registration fee see above
 - Tuition fee at the rate of \$14 per point for academic work and \$5 each for English D and physical education, if these are required.
 - Student activities fee see above

Fees, payable each session for a nonmatriculated student:

Registration fee see above

Tuition fee at the rate of \$14 per point for academic work and \$5 each for English D and physical education, if these are required, with a maximum fee of \$190 per session.

Additional fees are charged for the following:

Tuition for courses in applied music:

For special fee in each case, see departmental announcement of course (pages 110-111).

Tuition for courses in studio work in fine arts:

Drawing and painting u11-u12, each session 25.00

Tuition for professional and extension courses that are *not* taken for credit and for certain University classes that, with the permission of the Committee on Instruction, are taken for credit toward the Barnard degree. This varies with the course taken.

Late registration (see page 23) 5.00

Privilege of filing program late 10.00

For students in college who fail to file their programs for the coming session within the period announced for that purpose by the Committee on Instruction. Students in college who defer filing programs from April until after Commencement are charged \$20 for that privilege.

Examinations, payable in each case before the examination is held:

For each and every deficiency or special examination 3.00

(A special or deficiency examination is one taken at any time other than at the conclusion of a course actually attended, whether taken prior or subsequent to admission.)

For late application 5.00

For the degree 20.00

This fee is never refunded. It must be paid on or before April 15 by candidates for the degree in June or October and by January 1 by candidates for the degree in February.

Deposits for the use of apparatus, material, and the like are required in

Chemistry 63, 64, each course 10.00

Chemistry 41, 42, 65, 66, each course 12.50

Chemistry 42a, 105, 106, 145, 146, 150, 157, 158, each course 15.00

NOTE. — Every financial obligation to the College incurred by the student must be met by January 1 of the winter session or by May 1 of the spring session, if the student is to be permitted to take her examinations and receive credit for the session's work.

FEES OF STATE SCHOLARS

Each State Scholar should file at the office of the Bursar *on the day of registration* the notice which she has received from Albany stating that a State Scholarship has been awarded to her. On the basis of this official notice she is entitled to a credit of \$50 a session.

A State Scholarship Certificate for each of these students is then sent from Albany to the Bursar, who records all necessary information and forwards the certificate to its owner. This certificate need not be presented again at the Bursar's office.

SAFEKEEPING OF STUDENTS' FUNDS

For the convenience and protection of students while in residence at the University, the Bursar of Columbia University in Room 310 University Hall is prepared to receive funds for safekeeping, subject to the printed regulations, copies of which may be obtained at his office upon request. There is no charge for this service.

Personal checks will not be cashed by the University or credit allowed until the money has actually been received from the bank on which the check is drawn. However, checks, drafts, and money orders may be deposited for collection. Students should provide themselves with travelers' checks to cover their immediate expenses.

RESIDENCE HALL FEES

<i>Deposit</i>	\$ 15.00
Payable in advance to secure assignment of room. One half of this deposit is credited each session on payment of rent. The deposit is forfeited if the applicant withdraws after September 1, or, in the case of an applicant entering at the beginning of the spring session, after January 15.	
<i>Board</i>	300.00
Payable in two equal installments in advance, on or before taking possession of room, and on February 1 ¹	
Emergency surcharge for 1942-43	25.00
<i>Rent</i>	300.00
Payable in two equal installments in advance, on or before taking possession of room, and on February 1 ¹	
Various scholarships ranging in value from \$50.00 to \$700.00 are available for students in need of assistance (see page 39.)	

REBATES. — In case of withdrawal of a student from the residence halls, there is no rebate for the rent of the room. A rebate for board is reckoned from the Saturday after the withdrawal.

¹ In special cases, upon application to the Bursar, the payment of one half the rent and board for a session may be deferred until mid-term — November 6 or March 12.

ESTIMATED NECESSARY EXPENSES

For each academic year:

Registration fee	\$ 20.00
Tuition fee	380.00
Student activities fee.	7.00
Textbooks (estimated value minimum).	20.00
	<hr/>
	\$ 427.00

And for resident students:

Board and room	600.00
Emergency surcharge for 1942-43	25.00
Student government dues.	1.50
	<hr/>
	\$1,053.50

For other items:

Gymnasium costume, approximately	\$ 8.50
Final examination for degree	20.00

THE PROGRAM OF STUDIES

Upon satisfactory completion of a program arranged according to the regulations described below (pages 27-29), the student is recommended by the Faculty of Barnard College to the Trustees of Columbia University for the degree of Bachelor of Arts. Diplomas are issued only at Commencement and in February and in October upon the completion of the requirements for the degree.

The requirement for graduation is 120 points, exclusive of the prescribed work in English D and in physical education. The term point usually signifies the satisfactory completion of work requiring attendance at class, one hour, or in the laboratory, two hours, a week during a winter or spring session.

I. Program of studies for the degree of Bachelor of Arts

In constructing the present curriculum the Faculty was guided by the following general principles:

1. Each student should possess certain fundamental tools, useful for successful work in any field — that is, a command of written and spoken English, the ability to read at sight with ease at least one foreign language, a healthy body and a knowledge of hygiene.
2. Beyond those needed to give these fundamental tools it is not desirable to prescribe any specific courses.
3. Each student should be required to concentrate her work sufficiently to gain a fairly thorough knowledge of one subject.
4. Each student should be required to distribute her work sufficiently to gain some insight into the other main divisions of human thought.

To carry out these general principles, the following specific requirements and regulations were adopted:

PROGRAM OF STUDIES

Specific prescriptions

English A	6 points
English D	no points
Hygiene A	2 points
Physical Education A, B, C and D.	

Ability to read at sight with ease one of the following languages: French, or German, or Greek, or Italian, or Latin, or Spanish. This requirement should be satisfied as early as possible in the college course.

All other work is elective but must include

A major subject of 28 points
The major must be comprised of work of not less than grade C in some one subject in some one department. It must meet the requirements laid down by the department concerned and announced at the head of the departmental statements on pages 56 ff.

Courses amounting to not less than 14 points
from each of the following groups other than the one in which the major lies, subject to the following restrictions:

- (a) Group I, the 14 points may include (1) not more than one elementary course in ancient foreign languages and (2) no first-year course in modern foreign languages.
- (b) Group II, 8 of the 14 points must be in one of the following laboratory sciences: botany, chemistry, geology, physics, experimental psychology, zoölogy.
- (c) Group III, all candidates for the degree, whatever their major, must take at least 6 points of history.

Group I. Languages, Literatures and other Fine Arts:
Ancient Art, Anthropology (Courses 5, 6, 7, 8, 107, 108, 127, 128,), Classical Literatures (in translation), Comparative Linguistics, Comparative Literature, English, Esthetics (Philosophy 41-42, 45, 46, 53, 54, 145-146), Fine Arts, French, German, Greek, Italian, Latin, Music, Romance Philology, Spanish.

Group II. Mathematics and Natural Sciences:
Anthropology (Courses 3, 4), Astronomy, Botany, Chemistry, Geography, Geology, Logic (Philosophy 3), Mathematics, Physics, Psychology (Courses 7-8, 10, 19, 22, 23, 24, 48, 117, 118), Statistics (Economics 18), Zoölogy.

Group III. Social Sciences:
Anthropology (Courses 1, 2, 13, 14, 51, 52), Archaeology, Classical Civilization, Economics, Geography, Government, History, Philosophy, Psychology (Courses 1, 27, 28, 37), Religion, Sociology, Statistics (Economics 17).

II. *Program of studies for the degree of Bachelor of Arts with the certificate in science or mathematics*

Candidates for the degree of Bachelor of Arts who desire to specialize in the natural sciences or in mathematics may elect the foregoing program of studies with the modifications given below. For the satisfactory completion of the specified requirements they will receive on graduation a certificate which will indicate the nature of the program of studies pursued.

This program of studies is the same as the foregoing program, except in the following specific respects:

A major subject of at least 28 points of not less than grade C in one of the following natural sciences: astronomy, botany, chemistry, geography, geology, physics, experimental psychology and zoölogy, or in mathematics, and

Two minor subjects of at least 12 points each, one of which must be allied to the major, both to be chosen from the foregoing list. As a minor, geography and geology may count as one subject. Anthropology may also be taken as a minor subject.

Additional grouped work in science, or in mathematics, or in science and mathematics, so as to make a total of at least 60 points in science, or in science and mathematics.

DEGREE WITH HONORS

Degrees with honors will be awarded to students who have completed the work for the degree with highest distinction (*summa cum laude*), with high distinction (*magna cum laude*) and with distinction (*cum laude*).

PROGRAM FOR STUDENTS ADMITTED BY TRANSFER FROM OTHER COLLEGES

Students with sufficiently good records from other colleges transferring to Barnard College will be held to the requirements for the degree outlined on pages 27-29. They will not be exempt from the major or the laboratory science or the history requirement or the language requirement. Such students, if sufficiently able, are also eligible for transfer to professional schools under the regulations described below.

The administration of the foregoing provision will be in accordance with the following principles and rules:

1. Such students should have completed at entrance or at other colleges the equivalent of the entrance requirements to Barnard College, as may be determined by the University Committee on Admissions.

2. In general, students who have been accepted by the Committee on Admissions for entrance by transfer to Barnard College will be admitted to the class to which their previous entrance and college records entitle them. The Committee on Transfers will determine, in conference with the student, in view of

her previous academic record, her experience and maturity, her intellectual interests and professional plans, the program of work that she shall take. In certain cases a year of probation may be required before the status of the student is exactly fixed.

COURSES IN THE GRADUATE FACULTIES OPEN TO BARNARD STUDENTS

Certain graduate courses in Columbia University under the Faculties of Political Science, Philosophy, and Pure Science which are listed in the Barnard Announcement are open, with the consent of the department concerned and the Committee on Instruction, to specially qualified seniors. In these courses special arrangements are made for the supervision of the work of undergraduates. Since graduate work is on an entirely different basis of credit from undergraduate work, it is rarely possible for a student in Barnard College to take any graduate courses for which these special arrangements have not been made. Seniors of unusual ability may, however, be permitted in special cases to elect not more than two graduate courses in their major field.

Graduate courses, when approved by the Committee on Instruction, may be counted by an undergraduate toward the Bachelor's degree. But any undergraduate student of high standing in the regular course in Barnard College who, in the final session of her candidacy for a Bachelor's degree, is within 12 points of that degree may, with the approval of the appropriate Deans, register for graduate courses with a view to offering such courses in fulfillment of the requirements for residence for a higher degree, provided, however, that she shall not receive graduate credit in excess of the difference between 15 points and the number of points that she needed to fulfill the requirements for her Bachelor's degree at the beginning of such session.

For full information concerning the content of the courses, students are referred to the appropriate University announcements mentioned at the end of the departmental statements given below.

PROFESSIONAL SCHOOLS OF COLUMBIA UNIVERSITY OPEN TO BARNARD STUDENTS OR GRADUATES

The University professional schools require for admission varying amounts of college work. Several require the possession of the Bachelor's degree.

Barnard College keeps in close touch with these schools and endeavors to give its students the best possible advice concerning preparation for them.

Barnard students preparing for admission to these professional schools must take at Barnard the courses in written and spoken English (English A and English D), Hygiene A and Physical Education, normally required of all regular students. They should also elect the subjects required by the special school they hope to enter.

Full information regarding each school may be obtained from its own special announcement, which will be sent on request by the Secretary of Columbia University.

THE COMBINED COURSE

Shortening of the whole course is sometimes possible for an unusually good student by means of the "combined course," whereby she receives the permission of the Committee on Instruction to count the first year of the professional school in place of the senior year at Barnard. To be eligible for this "combined course" a student must complete at Barnard, before transferring to the professional school, 90 points of academic work including all grouped work and a major of 28 points unless this number is reduced in individual cases by special permission of the Committee on Instruction.

Students transferring to Barnard from other institutions will be granted this privilege of a "combined course" only if they have an unusually good record, and in no case will the permission of the Committee on Instruction be given until after the student has completed at least one full year of work in Barnard College.

The "combined course" is possible in connection with the Schools of Architecture, Business, Dental and Oral Surgery, Law and Medicine.

ARCHITECTURE

The School of Architecture offers a four-year course of study leading to the degree of Bachelor of Architecture. The work at Barnard should include, among other courses, a full year in a foreign language (preferably French or German), in English, in mathematics, and in economics, or history, or government, or sociology. For students not candidates for the Barnard degree, the minimum requirement for admission is one year (30 points) of college work.

BUSINESS

The School of Business offers a two-year course of study leading to the degree of Bachelor of Science. The preparatory work at Barnard should include two years of English, two years of French, German, Spanish, or Italian, or their equivalent; and one year of economics. For students enrolled in the special course in accountancy, a freshman course in mathematics will be required. For students not candidates for the Barnard degree, the minimum requirement for admission is two years (60 points) of college work.

DENTAL AND ORAL SURGERY

The School of Dental and Oral Surgery offers a four-year course of study leading to the degree of Doctor of Dental Surgery. The preparatory work at Barnard should comprise a minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, physics and zoölogy. Upon completion of these requirements, a dental aptitude test to determine manual dexterity must be taken. The Admissions Office of Columbia University will consider carefully the entire pre-dental record and select the most promising candidates. The minimum requirement for admission is three years (90 points) of college work.

JOURNALISM

The School of Journalism offers a one-year course leading to the degree of Master of Science. A Bachelor's degree is required for admission to this school. Undergraduate work should, wherever possible, include courses in English composition, government of the United States, history since 1914, economics and sociology. Ability to use a typewriter is required. Some proficiency in shorthand is recommended.

Applicants with journalism experience on press boards, campus newspapers and magazines, or who have had positions in or related to journalism, should present examples of their work in these fields.

Women will be admitted to this school in numbers proportionate to the opportunities which may be expected to develop for them in the future in professional work. Though the employment of graduates is not assured by the school, the employment of women who have completed this training in recent years indicates that journalism is an expanding profession for qualified women.

LAW

The School of Law offers the equivalent of a three-year course of study leading to the degree of Bachelor of Laws. The preparatory work at Barnard must be of good grade, and should include satisfactory courses in English, in economics, and in English and American history or the equivalent of such training. Upon completion of these requirements, the candidate's proof of fitness for study of law will be tested by a special capacity test. The minimum requirement for admission is three years (90 points) of college work, but the complete college course of four years is considered the most desirable preparation.

LIBRARY SERVICE

The School of Library Service offers a one-year course of study leading to the degree of Bachelor of Science.

For matriculation in this school a Bachelor's degree in liberal arts subjects is required. The undergraduate work should include a reading knowledge of French or German and a knowledge of both languages is strongly advised. Evidence of fitness for library work is required of all candidates.

MEDICINE

The College of Physicians and Surgeons offers the equivalent of a four-year course of study leading to the degree of Doctor of Medicine. The preparatory work at Barnard must be of good grade, must include the requirements prescribed by the New York Board of Regents for a qualifying certificate, i.e., a minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, in physics and in zoölogy. Before admission to the medical school the entire pre-medical record of each applicant is carefully examined in order that those who are adjudged the most promising candidates for the profession may be selected. While the minimum requirement for admission is three years (90 points) of college work, the complete college course of four years is considered the most desirable preparation.

NURSING

The Presbyterian Hospital, under the auspices of the College of Physicians and Surgeons, offers a three-year course leading to the degree of Bachelor of Science and a diploma in nursing. The preparatory work at Barnard should comprise work in chemistry, biology, psychology and sociology. The acceptance of a candidate is based on grounds of character and health as well as on the fulfillment of the academic requirements. The minimum requirement for admission is two years (60 points) of college work but students who hold the Bachelor's degree may obtain permission to complete the course in two years and three months.

SOCIAL WORK

The New York School of Social Work, affiliated with Columbia University, offers a two-year course of study leading to the degree of Master of Science. The school prepares students for various types of positions in public welfare and social work under both private and public auspices. Field work under the supervision of private and public agencies forms a considerable part of the curriculum.

For admission to this school a Bachelor's degree is required. The undergraduate curriculum should include a minimum of 20 points in social and biological sciences with the emphasis in the direction of the social sciences.

TEACHING

Teachers College of Columbia University and Barnard College coöperate in offering to students preparation for teaching elementary and high school subjects. In most states at least three years of special college work with certain professional courses are required of candidates for certificates to teach elementary subjects, and a Bachelor's degree and certain professional courses are required of all candidates applying for certificates to teach high school subjects. There is an increasing trend toward a longer period of preparation, as indicated by the recent statement from the New York State Education Department that a Bachelor's degree will be required of all candidates applying for the New York State teaching certificate in elementary subjects, and a Master's degree or its equivalent will be required of all candidates applying for the New York State teaching certificate in high school subjects after January 1, 1943.

While it is possible for students to satisfy certain states' requirements during their undergraduate course, usually with some summer work in addition to the regular college program, it is advantageous for undergraduates to plan for a fifth year in coöperation with Teachers College. This course covers the last two undergraduate years and one graduate year and is open to specially qualified students. The undergraduate years will include elementary psychology and two 6-point courses given at Teachers College for juniors and seniors of Barnard College. The fifth year will be spent mainly at Teachers College. There will be opportunity for graduate study in subjects of the major interest as well as for observation and practice teaching.

Since only specially qualified students will be admitted to this five-year course, application should be made to the Associate Dean of Barnard College early in the sophomore year.

UNION THEOLOGICAL SEMINARY

Union Theological Seminary offers courses of study leading to the degrees of Bachelor of Divinity, Master of Arts in the field of Christian Education and Master of Sacred Music.

Since accommodations at the Seminary are limited, it is necessary to select from the total number of applicants for admission those who seem best qualified, and who in the light of their expressed purpose, personality and record of scholarship give especial promise of usefulness in some form of Christian ministry. The requirement for admission to the courses of study at the Seminary is a Bachelor's degree including special work as indicated below for each degree:

a. *Bachelor of Divinity.* The preparatory work for this three-year course should include the study of philosophy, especially the history of philosophy, and courses in history, literature, economics, psychology, and at least one modern language, either French or German. A knowledge of Greek is desirable.

b. *Master of Arts* in the field of Christian Education. Preparatory work for this course should include some knowledge of the Bible, of the philosophy and ethics of the Christian religion, and of either the psychology of personality or the principles of education. Students with satisfactory preparation in these subjects may complete the work for the Master of Arts degree in one year.

c. *Master of Sacred Music.* Candidates for this degree must give evidence of the completion of an amount of work in music sufficient to enable them to enter with profit upon the courses in sacred music.

GENERAL REGULATIONS REGARDING THE PROGRAM
OF STUDIES, EXAMINATIONS IN COURSE,
CREDIT AND ADVANCEMENT

ELECTION OF COURSES. — Before final choice of elective studies, all students should consult their advisers (see page 38), the Committee on Instruction and, in case of any doubt, the instructors in charge of particular courses as well. Electives must be chosen on some consistent plan. Conflicts between courses falling at the same hours are to be avoided by careful study of the scheme of attendance at the end of this volume, which has been drawn up with a view to making possible for everyone the selection of a reasonable number of harmonious elective courses that shall not conflict in hours with each other or with prescribed courses. It often happens that some of the courses of one department form valuable supplements to certain courses of another, so that combinations of work under two or more departments are very desirable. In all such cases the best selections can be made only after consultation with officers of one or more of the departments concerned. This applies particularly to the major subject (see page 28).

The following regulations should also be borne in mind:

1. No courses other than those specified in the Announcement may be taken except by students specially qualified to pursue them with advantage and with the consent of the Committee on Instruction.

2. No combination of courses amounting to less than 12 or more than 16

points may be made in any winter or in any spring session without the consent of the Committee on Instruction.

3. No credit will be given for a one-hour course, unless it is taken in connection with and as a supplement to a cognate course.

4. No more than four hours of class work, or its equivalent in laboratory work, or seven hours of class work and laboratory work combined, may be taken on the same day.

5. Tuesday at 1:10 P.M. is the Assembly hour. Academic meetings at which attendance is required are often held at this time, and all students are requested to keep it free for this purpose.

6. Students entering with advanced standing from other colleges will be required to take 12 points of their major at Barnard.

7. Of the points required for the degree, at least 30 must be taken while the student is registered in Barnard College, of which 30 points at least half should be taken during the senior year.

8. The election of courses under the Graduate Faculties of Political Science, Philosophy, and Pure Science is restricted to specially qualified seniors and requires the consent of the head of the department concerned at Barnard, and of the Committee on Instruction. (For further details see page 30.)

9. The election of specific courses in a summer session at Columbia University or elsewhere must be approved by the Committee on Instruction of Barnard College. Except by special permission of the Committee on Instruction, granted for reasons of weight, no student whose average standing lies below 2.50 (see page 37) during the preceding academic year will be allowed to count more than 6 points of work taken in a summer session. In no case may more than three courses or 8 points of work be counted in a summer session in any one year. No summer session course that is passed with a grade below C will be credited toward a Barnard degree.

If a student has taken work in a summer session without the previous approval of the Committee on Instruction, she should submit a report of her summer work within a month of her return to college, either in the winter or in the spring session. Otherwise no credit toward the Barnard degree will be allowed for the work that was taken.

10. Specific courses in University Extension may be credited toward the Bachelor's degree under the following regulations:

(a) The election of extension courses must be approved by the Committee on Instruction and by the Director of University Extension.

(b) Students will not be allowed to exceed a total of 16 points, including the points of extension courses, at one time, save with the special permission of the Committee on Instruction, for reasons of weight.

(c) Students desiring to count these courses toward the degree must obtain in them a grade of at least C.

(d) Courses that are not taken for credit toward the Barnard degree will not be covered by the regular tuition fees but must be paid for over and above those fees.

TIME LIMIT FOR COUNTING WORK TOWARD A DEGREE. — All requirements for a degree must be fulfilled by the candidate within six years from the time of her first matriculation as a freshman in college, whether at Barnard or else-

where; within four and a half years from similar matriculation as a sophomore; within three years from similar matriculation as a junior; and within one and a half years from similar matriculation as a senior. If the candidate fails to satisfy the requirements within the time here specified, she is to lose credit for all the points gained by her toward the degree unless, in individual cases, the Faculty shall otherwise direct.

MAJOR EXAMINATION. — Beginning in 1943 a major examination at the end of the senior year will be required of all students whose majors lie in subjects in Groups I and III (see page 28). This examination is designed to test the candidate's command of the subject, or of some definite part of the subject, as a unified, coherent whole.

THE FOREIGN LANGUAGE REQUIREMENT. — The foreign language tests are held in January, in May, and in September, and are open to students according to regulations announced from time to time by the Committee on Instruction. If a student who entered Barnard as a freshman or a sophomore, and who in February or in September is within a year and a summer session (40 to 42 points) of completing the work for her degree, fails to pass a mid-year or September test she will be suspended until the foreign language requirement is satisfied unless, by special ruling, the Committee on Instruction permits her to remain for one session on probation with a limited program, and the suspension of credit until the test is passed.

A transfer student will be urged to try the test on arrival. If a student who entered Barnard by transfer as a junior or senior, and at mid-year or in September is within a year and a summer session (40 to 42 points) of completing the work for her degree fails to pass, she will be ranked as unclassified with no promise as to when she may expect to complete the requirements for the degree.

Entering freshmen who are well grounded in a foreign language are advised to try the test on arrival.

CHANGE OF PROGRAM. — No change of program, by adding or by dropping a course, or by changing sections or the point of value of a course, may be made by a student without the written consent of the Committee on Instruction. Except on the initiative of the departments or of the Committee on Instruction, such change will not be allowed *after the first Monday after the opening of either the winter or the spring session*. (See also paragraph on fees, page 24.)

ABSENCES. — All students are expected to attend regularly and promptly all the exercises in the courses for which they are registered. Any considerable amount of absence or tardiness will result in the lowering of a student's mark or the loss of one or more points of credit.

The attendance of students on the Dean's List will not be supervised by the Committee on Instruction. The instructors, however, have authority to lower the grade in the case of undue absence or tardiness.

The attendance of the rest of the college is under the supervision of the Committee on Instruction who, at the end of each semester, will deal with absences exceeding the number of class hours in any week, that is,

- more than 1 absence from a class meeting 1 hour a week
- more than 2 absences from a class meeting 2 hours a week
- more than 3 absences from a class meeting 3 hours a week
- more than 4 absences from a class meeting 4 hours a week
- more than 5 absences from a class meeting 5 hours a week.

Two latenesses equal one absence. Students are expected to reserve their absences for illness and other urgent reasons. Illness will be taken into consideration by the Committee on Instruction as a possible excuse for excess absence only if a statement is filed by the student in the Registrar's office immediately on her return to college.

STATED EXAMINATIONS.—Two series of examinations are held every year, one in January and the other in May. These are the only stated examinations. In 1943, the mid-year examinations begin on Monday, January 18, the final examinations on Monday, May 17.

SPECIAL EXAMINATIONS.—Special examinations are held as follows: in the week beginning on the second Monday of the spring session of each year and within the two weeks preceding the opening of the College in the fall.

Such examinations must be taken in one of the three periods for special or deficiency examinations immediately following the stated examination that was missed. They are open, by permission of the Committee on Instruction, to students who have been absent, for imperative reasons, from the stated examination in any course, provided their term work has been satisfactory.

In all cases application for permission to take a special examination must be made in writing.

For each and every examination taken at any time other than the stated examination period immediately following the conclusion of the course involved, a fee must be paid before the student is admitted to the examination (see page 25).

GRADES AND CREDIT.—The student's performance in a course is rated according to the following grades: A, excellent; B, good; C, fair; D, poor; P, passed without specific grade; F, failure. The mark *Incomplete* is given only when the student has obtained, in advance, the permission of the instructor to postpone for a short time the submission of certain outstanding term work which must be made up before a specific grade can be reported. Under the regulations of the Faculty, outstanding work that is not completed within three weeks after the end of the session automatically becomes an F.

Standing in college is determined by a valuation of each academic point according to the mark received. Each point with a mark of A counts 4; B, 3; C, 2; D, 1; F (or *absent* or *incomplete* until satisfied), 0. The average mark per point constitutes the student's rating.

No student may count for promotion from any class to the next higher class more than 6 points of D work or may be credited with more than 6 points of D work during her senior year. In case more than four years is required for her degree, not more than 24 points of D work altogether may count for the degree. Of several courses in which a student is marked D she may choose the ones to be counted. No work of grade D may count in the major of 28 points.

At the end of the sophomore year especially, the records of all students will be carefully scrutinized and only those who have attained at Barnard College at least a C average (2 rating) or who have shown promise of future development will be permitted to continue in college and pursue the more advanced specialized study of the junior and senior years.

In order to be recommended for the degree, each student must attain at Barnard College an average of C or above for the entire course and for the senior year.

If a student fails to obtain a C average at the end of four years and thus does not receive a degree at this time, the Committee on Instruction will consider her case and determine whether or not she may in future continue her candidacy for the degree and, if so, under what conditions.

DEAN'S LIST. — At the end of each academic year except the senior year there will be compiled a Dean's List to consist of students who, in the opinion of the Committee on Honors, deserve special mention for scholarly excellence during the past year. This will be announced at the opening of the following academic year.

ADDITIONAL CREDIT FOR HIGH STANDING. — At the end of the winter and of the spring session, when all the reports are filed in the Registrar's office, additional credit for high standing is given as follows:

The mark A in courses aggregating 6 points of work (no course to be counted twice) entitles the student to 1 point of extra credit, provided she has satisfactorily completed all the work of the session and has not fallen below the mark B in any course.

CLASSIFICATION OF STUDENTS. — Matriculated students whose record is satisfactory to the Committee on Instruction are classified as follows:

Freshmen, those who have completed less than 24 points of academic work.

Sophomores, those who have completed 24 points.

Juniors, those who have completed 54 points.

Seniors, those who have completed 86 points.

Unclassified students, those who have not been allowed definite credits on transfer from other institutions or those who are electing less than 10 points a term.

In all cases the requirements for promotions must be met in full before the beginning of the winter session.

A student who fails to meet the requirements for advancement from one class to another may, with the consent of the Committee on Instruction, remain in college and repeat the course or courses in which her deficiency exists, or, in the case of elective courses, other courses equivalent thereto in time. She may not, however, register as a nonmatriculated special student.

Should a student fail of advancement in two successive years, she shall be permanently dismissed from the College, unless, for reasons of weight, the Committee on Instruction shall otherwise determine.

ADVICE TO STUDENTS

The Dean is always glad to confer with a student regarding any matters that may be of interest to her. Individual instructors may also be consulted at any time by the student regarding her work in their classes.

Before planning her program for the coming year, every student should consult a member of the teaching staff, according to detailed regulations to be announced from time to time by the Committee on Instruction.

Not later than the spring session of her sophomore year, a student should consult the Occupation Bureau regarding opportunities in different occupations which may interest her and the prerequisite thereto.

SCHOLARSHIPS, GRANTS-IN-AID, LOANS

PURPOSE. — The College desires that no student of exceptional ability shall be kept away from Barnard because her family has only moderate means. To aid students financially, there are Scholarships, Grants-in-aid, a Loan Fund (see page 45) and provisions in the Occupation Bureau (see page 52) for enabling girls to earn a little money toward their personal expenses.

SCHOLARSHIPS. — Scholarships are awarded annually on a competitive basis by the Faculty Committee on Scholarships to full-time students of high scholarly ability, excellent character, and promise of future usefulness, who are in need of aid.

For resident students — that is, those who live in Brooks or Hewitt Halls — they range in value from \$150 to \$700 a year.

For students who do not live at the College, they range in value from \$75 to \$300, except for one New York City scholarship valued at \$400 every third year.

If a student fail to maintain an average of at least B in her work, or if for any other reason she show herself an unsatisfactory scholar, she may forfeit her scholarship and be ineligible for reelection the following term.

GRANTS-IN-AID. — Grants-in-aid are awarded by the Faculty Committee on Scholarships to deserving and needy students to help them to enter or to remain in college. No student whose record falls below an average of C will ordinarily be considered eligible for such a grant.

RESIDENCE GRANTS. — Residence grants are awarded by the Faculty Committee on Scholarships to enable students to live in the residence halls. They range in value from \$25 to \$300.

APPLICATIONS FROM STUDENTS IN COLLEGE. — On or before the first of March of each year all applications for scholarships, grants-in-aid, and residence grants must be filed at the Dean's office upon special blanks to be obtained there.

APPLICATIONS FROM ENTERING STUDENTS. — On or before the first of March applications for scholarships should be in the hands of the Committee on Admissions. Blanks for this purpose may be obtained in the Office of Admissions.

Applicants are required to take the scholarship examinations held by the College Entrance Examination Board in April, unless they are applying for admission with advanced standing from another institution.

Except for a very few special scholarships, students should not apply for scholarships by name, but should merely indicate the minimum sum needed.

SCHOLARSHIP AWARDS. — Applicants will be informed by the Chairman of the Committee on Scholarships as soon as awards have been made. Applicants receiving awards are requested to inform the Dean's office *immediately*, in writing, if they do not intend to use the funds awarded.

Holders of scholarships, grants-in-aid, and residence grants are requested to file with the Bursar *on the day of registration* a scholarship certificate to be obtained from the Secretary to the Dean.

COMPETITIVE ENTRANCE SCHOLARSHIPS

BROOKLYN SCHOLARSHIPS (\$150 EACH). — Founded in 1895 by the Trustees of Columbia University in recognition of the gift to Columbia University by President Seth Low of a memorial building for the University Library. Open to students resident in Brooklyn and prepared in a Brooklyn school.

CARPENTIER RESIDENCE SCHOLARSHIPS (\$400 to \$700 EACH). — Founded in 1919 with a bequest from the late Horace W. Carpentier. Awarded annually to students who are not residents of New York City or its vicinity.

LUCILLE PULITZER SCHOLARSHIPS (\$300 to \$700 EACH). — Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer.

Three are restricted to students from the City of New York; eight are for resident students.

JESSIE KAUFMANN SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1902 by Mr. Julius Kaufmann in memory of his daughter, Jessie Kaufmann. Awarded on the merits of the entrance examinations to a student who, after careful investigation, is found to have no relative able to assist her financially. It may be held for the entire college course.

MARTHA T. FISKE SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1911 by Miss Anna E. Smith, in memory of her sister, Mrs. Martha T. Fiske-Collord. It is awarded, on the basis of scholarly ability and general character, to some deserving candidate not a resident of New York City or its suburbs.

EDNA CHAPIN CLOSE SCHOLARSHIP. — Established by the Barnard College Club of Westchester in 1937, in memory of Edna Chapin Close of the Class of 1902. Value \$400. Awarded to an entering freshman from Westchester County, for one year only.

GENERAL SCHOLARSHIPS

ELLA WEED SCHOLARSHIP. — The income of a fund of approximately \$3,600. Originally established in 1895 by the pupils and alumnae of Miss Anne Brown's School in memory of Miss Ella Weed, who was chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of its existence.

VELTIN SCHOOL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1905 by the alumnae of Mlle. Veltin's School.

JENNIE B. CLARKSON SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1898 by the late Mrs. W. R. Clarkson.

EMILY JAMES SMITH SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Miss Smith, then Dean of Barnard College.

ANNA E. BARNARD SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Mrs. John G. Barnard.

BREARLEY SCHOOL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1899 by pupils and former pupils of the Brearley School.

ELIZA TAYLOR CHISHOLM MEMORIAL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1901 by the Alumnae Association of Miss Chisholm's School, which Association reserves the privilege of precedence for such candidates as it may recommend.

GRAHAM SCHOOL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1907 by the Graham Alumnae Association.

MRS. DONALD MCLEAN SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1906 by the New York City Chapter of the Daughters of the American Revolution. It is awarded, in conference with a representative of the Chapter, to a deserving student who agrees to pursue the study of history (chiefly that of the United States) continuously throughout her college course.

EMMA HERTZOG SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1904 by gifts from residents of Yonkers, N. Y. It is awarded, in conference with the faculty of the Yonkers High School, to a graduate of that school who is entering Barnard College.

MRS. HENRY CLARKE COE SCHOLARSHIP. — The income of a fund of \$3,600. Founded in 1910 by the National Society of New England Women, now the New York City Colony of the National Society. It is awarded, on the nomination of the chairman of the Scholarship Committee of the New York City Colony, to a student from New England or of New England parentage, and after the award is once made the Society requires from the beneficiary full obedience to discipline and the highest ideals of scholarship. This may be awarded to an entering freshman.

ELEONORA KINNICUTT SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1911 in memory of Mrs. Francis P. Kinnicutt, who was a Trustee of Barnard College. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1942 and 1945.

EMMA A. TILLOTSON SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1910 by the late Mrs. Luther G. Tillotson. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1943 and 1946.

WILLIAM MOIR SCHOLARSHIPS. — The income of a fund of \$10,000. Founded in 1912 by the late Mrs. William Moir, in memory of her husband.

MARY BARSTOWE POPE SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1913 in memory of Mary Barstowe Pope, sometime teacher in Miss Chapin's School, by her friends, her fellow-teachers, and her pupils. It is open to any undergraduate of Barnard College for the whole or any part of her course, and is awarded on the nomination of a self-perpetuating committee representing the founders.

CHARLES E. BOGERT MEMORIAL SCHOLARSHIP, AND ANNA SHIPPEN YOUNG BOGERT MEMORIAL SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1913 with a bequest from the late Annie P. Burgess. They are awarded to worthy and deserving students of good Christian character who are unable to pay their own expenses.

MARTHA ORNSTEIN BRENNER SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1915 by her friends in memory of Martha Ornstein Brenner, 1899.

BARNARD SCHOOL ALUMNAE SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1916 by the alumnae of the Barnard School for Girls. It may be awarded to a student in any class, preference being given to nominees of the school.

FANNY I. HELMUTH SCHOLARSHIP (AT LEAST \$262). — Established on a temporary basis by the Daughters of Holland Dames in honor of Fanny I. Helmuth. It is awarded in conference with a representative of the society to a student of Dutch descent who is in need of aid.

ANNA M. SANDHAM SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Anna M. Sandham.

ELEANOR BUTLER SANDERS SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Henry M. Sanders.

SCHOLARSHIP IN ENGLISH. — The income of a fund of \$5,000. Founded in 1920 by an anonymous donor. It is awarded to a student of good standing who is specializing in English and is in need of help; with the proviso that, if in any year there is no student specializing in English who stands out as particularly deserving of aid, the scholarship may be used, at the discretion of the Faculty Committee on Scholarships, to assist a student majoring in some other subject.

LUCILLE PULITZER SUPPLEMENTARY SCHOLARSHIPS (\$50 EACH). — Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer. They are awarded to worthy and needy students, and may be used to supplement larger scholarships or themselves combined into scholarships of \$100 or more. The money is applicable to tuition fees, residence fees, or, in special cases, general outside expenses.

AUGUSTA LARNED SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1924 with a bequest from the late Augusta Larned.

MARY E. LARKIN JOLINE SCHOLARSHIP. — With an annual value of \$300. Founded in 1927 with a bequest from the late Mary E. Larkin Joline. It is awarded to a student who is specializing in music.

CHARLOTTE LOUISE JACKSON SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1928 with a bequest from the late Fannie A. Jackson. It is awarded to a graduate of a Yonkers high school selected by or under the direction of the Board of Education of Yonkers.

ALICE MARIE-LOUISE BRETT SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1930 with a bequest from the late Philip E. Brett in memory of his daughter, Alice Marie-Louise Brett, of the Class of 1915. It is awarded during her senior year to an able and deserving student specializing in French.

SCHMITT-KANEFENT SCHOLARSHIP. — The income of a fund of \$7,000. Founded in 1931 with a bequest from the late Catherine Schmitt.

HELEN ELIZABETH VOSBURGH SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1934 with a bequest from the late Katherine G. Lippke in memory of Helen Elizabeth Vosburgh of the Class of 1925. In awarding this scholarship, preference is given to a self-supporting student.

WILLINA BARRICK MEMORIAL SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1936 by the College Club of Jersey City as a memorial to Willina Barrick, 1900. It is awarded on the nomination of the Club to a graduate of a Jersey City secondary school entering Barnard College.

BARNARD COLLEGE CLUB SCHOLARSHIP. — A residence scholarship, with stipend varying, established in 1936 by the Barnard College Club of New York.

VIRGINIA GILDERSLEEVE INTERNATIONAL SCHOLARSHIP. — The income of a fund of \$15,100. Founded in 1937 by Mr. Charles R. Crane. It is awarded annually to a foreign student coming to Barnard to study.

PETER C. RITCHIE, JR., SCHOLARSHIP. — The income of a fund of \$4,400. Founded in 1937 with a bequest from the late Virginia J. Ritchie. It is awarded to a needy student.

ALMA GLUCK ZIMBALIST SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1940 with a bequest from the late Alma Gluck Zimbalist. It is awarded annually to a student who wishes to major in Political Economics.

HELEN JENKINS GEER SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1940 by Helen Hartley Geer, Class of 1940, in memory of her mother, Helen Jenkins Geer, Class of 1915. It is awarded annually, after conference with the donor.

LUCRETIA PERRY OSBORN SCHOLARSHIP FUND. — A fund of approximately \$3,800, established in 1940 with gifts from friends, in memory of Lucretia Perry Osborn, a Trustee of Barnard College from 1893 to 1930. The income is to be used to aid one or more needy and deserving students.

SPECIAL FUNDS FOR THE AID OF NEEDY AND DESERVING STUDENTS

ARTHUR BROOKS FUND. — A fund of \$5,000, given in 1897 by Miss Olivia E. Phelps Stokes as a memorial to the Reverend Arthur Brooks, D.D., Rector of the Church of the Incarnation and Chairman of the Board of Trustees of Barnard College during the first six years of its existence.

FISKE SCHOLARSHIP FUND. — A fund of \$5,000, given by the late Mrs. Martha T. Fiske-Collord, the income of which is placed at the disposal of the Dean of Barnard College.

GEORGE W. SMITH SCHOLARSHIP FUND. — A fund of \$5,000, given in 1906 by the late Mrs. Martha T. Fiske-Collord as a memorial to Mr. George W. Smith, who was a Trustee of Barnard College. The income of the fund is placed at the disposal of the Dean of the College.

MARY GERTRUDE EDSON ALDRICH SCHOLARSHIP FUND. — A fund of \$1,000, given by Mrs. James Herman Aldrich. The income is used to assist in her senior year a student who has shown in her college life the moral qualities which go to the making of fine womanhood.

SCHOLARSHIP FUND. — A fund of approximately \$12,000, established by general subscription through the Scholarship Committee of the Board of Trustees.

CARPENTIER SCHOLARSHIP FUND. — A fund of \$200,000, the bequest of the late Horace W. Carpentier. The income remaining after the payment of the Carpentier Residence Scholarships described on page 40 is placed at the disposal of the Dean for distribution in scholarships of varying amounts, according to the needs of deserving students.

CAROLINE CHURCH MURRAY FUND. — A fund of \$5,000, established in 1918 by Mr. George Welwood Murray in memory of Caroline Church Murray. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

IRMA ALEXANDER GOLDFRANK FUND. — A fund of \$2,105, established in 1919 by the friends of the late Irma Alexander Goldfrank, 1908. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

ALUMNAE SCHOLARSHIP FUND. — A fund of approximately \$4,400, established by the Class of 1912 at its tenth reunion, and subsequently increased by a legacy from the estate of Julia Ludlow Young, an alumna. The income is to be used to help needy and deserving students.

THOMAS F. CLARK STUDENTS' LOAN FUND. — A fund of \$100,000, the bequest of the late Mrs. Fanny Foster Clark. The income is to be used to aid needy and deserving students.

EDNA HENRY BENNETT MEMORIAL SCHOLARSHIP FUND. — A fund of \$1,640, established in 1927 by friends of the late Edna Henry Bennett, 1915, Lecturer in Zoölogy. The income is to be awarded by the Department of Zoölogy to Barnard students for work at a biological laboratory offering summer courses.

CLASS OF 1919 DECENNIAL FUND. — A fund of \$5,000, established in 1929 as a tenth reunion gift by the Class of 1919, to endow a room in Hewitt Hall for the use of a deserving and needy student.

CLASS OF 1921 SCHOLARSHIP FUND. — A fund of \$2,500, established in 1931 as a tenth reunion gift by the Class of 1921. The income is to be used to help needy and deserving students.

EVA-LENA MILLER BOOTH SCHOLARSHIP FUND. — A fund of \$1,000, given in 1932 by the New York City Chapter of the Daughters of the American Revolution as a memorial to the late Mrs. Eva-Lena Miller Booth. The income is to be used to help needy and deserving students.

ALPHA ZETA CLUB SCHOLARSHIP FUND. — A fund of \$2,500, established in 1936 by the Alpha Zeta Club. The income is awarded to a member of the graduating class for graduate work or, at the discretion of the Dean, to an undergraduate for undergraduate work.

IDA BLAIR MEMORIAL FUND. — A fund of \$700, established in 1937 by the Women's Democratic Union, in memory of Ida Blair. The income of the fund is to be used for the purchase, in each year, of books for such student in Barnard College (preferably one studying political science) as shall be designated as deserving by the Dean.

CLARA BUTTENWIESER UNGER MEMORIAL FUND. — A fund of \$1,000, established in 1938 by the late Joseph L. Battenwieser, in memory of his daughter, Clara Battenwieser Unger, of the Class of 1913. The income of the fund is to be awarded annually to assist through her senior year a student whose subject of major interest is Government, and who shows promise of ability to contribute to the promotion and perpetuation of true democracy under our Constitution.

EDWARD S. HARKNESS SCHOLARSHIP FUND. — A fund of \$100,000, established in 1939 with a gift from the late Edward S. Harkness. The income of the fund is used to aid able and needy students.

ANNE BROWN ENDOWMENT SCHOLARSHIP FUND. — A fund of approximately \$20,000, given in 1939 by the Anne Brown Alumnae Association and dedicated to the late Anne Brown. The income is used for scholarships for young women of the City of New York who would otherwise be financially unable to attend Barnard.

FINE ARTS SCHOLARSHIP FUND. — A fund of \$3,900, established in 1939. Either the principal or the income may be awarded to students for fine arts travel or study in this country or abroad.

STUDENTS' LOAN FUND

A Students' Loan Fund of \$10,000 is maintained by the Associate Alumnae. From this fund loans are made at a low rate of interest to upper classmen in need of financial assistance for college tuition and residence fees. The maximum amount loaned to any one student is definitely limited. Loans are made on a single semester's basis, and applications must be presented for each semester. The principal and interest are to be paid on a quarterly basis within three years after graduation in the case of loans of \$200 or less and within five years in the

case of all larger loans. Inquiries may be made of the Alumnae Secretary in the Associate Alumnae Office, Riverside Building, or addressed to Mrs. David S. Muzzey, 492 Van Cortlandt Park Avenue, Yonkers, N. Y.

The operation of this fund as a revolving loan fund, as distinct from the special scholarship funds already mentioned, makes it possible to keep the capital in continuous use by successive generations of students. The committee does not deem it advisable to lend a very large amount to any one student, as it has found in its experience over the last few years that repayments prove a burden on the borrowers, particularly if the time schedule of repayment cannot be maintained and interest accumulates. However, the committee desires to make the fund as helpful as possible and wishes to have students in need of assistance apply to it freely and consult with the committee as to possible methods of meeting their financial difficulties.

GRADUATE FELLOWSHIPS

GEORGE WELWOOD MURRAY GRADUATE FELLOWSHIP. — The income of a fund of \$15,000. Established by Mr. George Welwood Murray in 1930. The holder is to pursue a year of graduate study at Columbia or any other university or college of approved standing. This fellowship is to be awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work in the field of the humanities and/or the social sciences. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which may then be used by the College for other fellowships or scholarships. This fellowship is not to be applied for but is to be awarded each year as soon as possible after the mid-year examinations. Students graduating in February are to be eligible, as well as those graduating in June.

GRACE POTTER RICE FELLOWSHIP. — Established in 1935 by Mr. Winthrop Merton Rice in memory of his wife, Grace Potter Rice, Instructor and Assistant Professor of Chemistry at Barnard from 1918 until 1934. It is of an annual value of \$600. The holder is to pursue a year of graduate study in natural sciences or mathematics at Columbia or any other university or college of approved standing. This fellowship is awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which will then be used for other fellowships or scholarships. This fellowship is not to be applied for, but is awarded each year as soon as possible after the mid-year examinations. Students who have graduated in February are eligible, as well as those who are to graduate in June.

PUBLIC SERVICE FELLOWSHIP. — The income of a fund of \$30,000. Established in 1934 by the Women's Organization for National Prohibition Reform. The holder is to pursue a year of graduate study in one or more of the

related fields of History, Economics, Government, and Social Science at any college or university of approved standing. This fellowship is awarded annually by the Faculty of Barnard College to a woman graduate of any approved college or university who has shown special ability in the field of political science and promise of future usefulness in the public service.

KIMBALL FELLOWSHIP. — The income of a fund of \$32,800. Founded in 1938 with a bequest of the late Lilian Emma Kimball. This fellowship is to be awarded to a woman from Spain or one of the Spanish-American countries who shall pursue a year of graduate study at Columbia or elsewhere, under the direction of a special committee of women members of the Faculty.

THE HERBERT MAULE RICHARDS FUND. — Established by the Barnard Botanical Club, former students, and friends in memory of Professor Richards, an officer of the Department of Botany from 1896 to 1928, and Chairman from 1897 to 1928. The income from this fund will be granted from time to time to further botanical research, under the direction of an approved institution, to a student or an alumna of Barnard College.

MARGARET MEYER GRADUATE SCHOLARSHIP

An annual graduate scholarship of a value of \$75, established by Mrs. Alfred Meyer in 1923 in memory of Margaret Meyer Cohen of the Class of 1915, awarded annually to a member of the graduating class and providing a course of training in secretarial work.

PRIZES

The following prizes are awarded annually, on the recommendation of the appropriate departments of the Faculty of Barnard College, in accordance with the special conditions named below. No prize will be awarded to any student who falls below grade C in any course during the year in which she is a competitor.

HERRMAN BOTANICAL PRIZE. — A prize consisting of the income of a fund of \$1,000, founded by the late Mrs. Esther Herrman, is awarded annually to the most proficient undergraduate student in botany.

KOHN MATHEMATICAL PRIZE. — A prize consisting of the income of a fund of \$1,000, founded by Mrs. S. H. Kohn, is awarded annually to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

THE JENNY A. GERARD MEDAL. — The Jenny A. Gerard Gold Medal, given in 1908 by the Society of the Colonial Dames in America in memory of Mrs. James Gerard, late President of the Society, is awarded annually to the undergraduate student of American birth in Barnard College who is most proficient in American colonial history.

SPERANZA PRIZE IN ITALIAN. — A prize consisting of the income of a fund of \$1,000, founded by a former student in memory of the late Carlo Leonardo Speranza, Instructor and Professor of Italian at Barnard from 1890 until 1911, is awarded annually to a student in Barnard College for excellence in Italian.

VON WAHL PRIZE. — A prize consisting of the income of a fund of \$1,300, founded in 1915 in memory of Constance von Wahl, 1912, President of the Undergraduate Association, is awarded annually to a student for excellence in zoölogy, on the understanding that it is to be used to advance her knowledge in that field. If in any year no student stands out as eminently deserving of the prize, it is not awarded.

CAROLINE GALLUP REED PRIZE. — A prize consisting of the income of a fund of \$1,000, founded in 1916 by Mrs. William Barclay Parsons in memory of her mother, Mrs. Sylvanus Reed, for the recognition of special study in the subject of the origin of Christianity and early church history, is awarded annually to the student who shows the highest excellence in this field of work. The award is made partly on the basis of an examination and partly on the basis of an essay to be handed in by May 1. A syllabus of the period to be covered may be obtained from the Chaplain of the University.

JEAN WILLARD TATLOCK MEMORIAL PRIZE. — A prize consisting of the income of a fund of \$1,250, founded in 1917 by her friends in memory of Jean Willard Tatlock, 1895, is awarded annually to the undergraduate student most proficient in Latin.

THE HELEN PRINCE MEMORIAL PRIZE. — A prize consisting of the income of \$1,200, founded in 1921 by Mr. Julius Prince in memory of his daughter, Helen C. Prince, of the Class of 1922, is awarded annually to an undergraduate student in Barnard College for excellence in dramatic composition.

DEAN PRIZE IN GERMAN. — A prize consisting of the income of \$1,000, one-fifth of a fund of \$5,000 established in 1925 by Mr. Edward D. Adams for the promotion of the study of German language and literature in Barnard College, is awarded annually to that member of the senior class at graduation who has throughout her course done the best work in German language and literature.

FRANK GILBERT BRYSON MEMORIAL PRIZE. — A prize consisting of the income of a fund of \$3,000, founded in 1931 with a bequest from the late Ella Fitzgerald Bryson, of the Class of 1894, in memory of Frank Gilbert Bryson, is awarded annually to a member of the graduating class who has given conspicuous evidence of unselfishness during her college course.

MARY E. ALLISON PRIZE. — A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison in memory of her mother, Mary E. Allison, is awarded annually to a student of general excellence in scholarship.

ESTELLE M. ALLISON PRIZE. — A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison, is awarded annually to a student for excellence in literature.

The following prizes of Columbia University are by their terms open to students of Barnard College:

BENNETT PRIZE. — A prize established through a gift of \$1,000 from James Gordon Bennett may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporary interest in the domestic or foreign policy of the United States. The competition is open to students not holding a Baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science. The subjects for the essay to be handed in May 1, 1943, are: "Censorship and Civil Rights in Wartime," "The Case for and against Proportional Representation," "The Growth of Governmental Bureaucracy in the United States."

THE BUNNER MEDAL. — The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded annually at Commencement to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essay to be handed in May 1, 1943, is: "The New England Poets in the 19th Century and Their Concept of America."

EARLE PRIZE IN CLASSICS. — A prize of \$50, established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It is awarded partly on the basis of a special examination, partly on the basis of consistently good work in the regular Greek and Latin courses. The special examination covers specified portions of Greek and Latin literature, sight reading in Greek and in Latin, and prose composition in Greek and in Latin. The special subjects for 1943 are: 1. Homer, *Odyssey*, Books 13 and 14 (edited by D. B. Monro); 2. Tacitus, *Germania* (edited by Alfred Gudemann; the edition of J. G. C. Anderson should also be consulted).

For the award in 1943, the examination will be held in January. Students are urged to do much of their work for the examination during the preceding summer vacation.

THE CAROLINE PHELPS STOKES PRIZE. — The Caroline Phelps Stokes Prize of \$40 is awarded annually at Commencement to that student who, having been regularly enrolled in Columbia College, or Barnard College, or Teachers College as a candidate for an academic degree, for not less than two sessions, winter or spring, shall be deemed to have written the best essay upon an assigned topic bearing upon the rights of man. The subjects for the essay to be handed in May 1, 1943, are: 1. "The Meaning of the Freedom of the Seas"; 2. "Should Natural Rights be Redefined as Natural Needs?"

RESIDENCE HALLS

Brooks Hall and Hewitt Hall (see page 18), the residence halls for Barnard College students, will open on Friday, September 18, 1942, and will close at 12 noon Friday, June 4, 1943. Candidates for admission or students who wish to secure accommodations in the halls during the June entrance examinations or

the September entrance or deficiency examinations should make arrangements directly with the Assistant to the Dean in charge of Residence Halls, not later than June 1 or September 1, respectively.

Full information in regard to the situation and cost of rooms and the advance deposit is published in a separate pamphlet, to be had on application to the Assistant to the Dean in charge of Residence Halls. All correspondence regarding accommodations in the halls should be addressed to the Assistant to the Dean in charge of Residence Halls, Barnard College, New York, N. Y. All checks and money orders should be made payable to the order of Barnard College. For the residence hall fees see page 26.

The post-office address for resident students is Brooks Hall, 3001 Broadway, New York, N. Y.

For regulations in regard to the residence of students who do not live in Brooks Hall or in Hewitt Hall, see page 18.

The King's Crown Hotel, located at 420 West 116th Street, in close proximity to the University, is owned by the University. It provides accommodations at reasonable rates, available for relatives and guests of members of the University.

HEALTH AND PHYSICAL EDUCATION

The University Medical Officer, Dr. William H. McCastline, the College Physician, Dr. Gulielma F. Alsop, and the Head of the Department of Physical Education, Professor Agnes R. Wayman, by means of lectures, personal advice, and a broad program of activity adapted to the needs and condition of the individual, endeavor to promote the health of the students. The sanitation of the College is under their supervision. Assistant physicians, two trained nurses, and six instructors work under their direction.

A physical and medical examination is required of each student upon entrance, at the end of the first year, and just before graduation. A motor capacity test and a swimming test are also given upon entrance. Frequent medical inspections are given each student. These examinations and tests are made the basis for determining the type of physical activity a student should take. Great emphasis is placed upon the teaching and learning of skills which can be used after college. Special remedial and corrective classes as well as rest periods are provided for students requiring special individual attention. When necessary, recommendations are made to the Committee on Instruction regarding the student's academic program. As far as possible the work in the Department of Physical Education is conducted in the open air and the program is planned to meet the problem of individual differences and interests.

In addition to the medical offices, treatment rooms, and the offices of the Department of Physical Education, Barnard Hall contains a gymnasium, swimming pool, a room for physical examinations, one for "remedial" work, and one for dancing. The students have also, on Milbank Quadrangle, tennis courts, tenikoit courts, and a practice field for games. The roof of the building is provided with equipment for "moderate" games for the students physically unable to take part in more strenuous activities. There are three additional

tennis courts, golf cages, and an archery range on the Riverside Quadrangle. A rest room is reserved for the use of the students.

An all-year-round camp is maintained in Westchester Co., near Ossining, N. Y., on a 17-acre plot of wooded land. This camp was the gift of the Alumnae in 1933. It is administered by a committee representing the Athletic Association, the Department of Physical Education, the Academic Faculty, and the Alumnae. It furnishes an ideal opportunity for recreation and activity in the open as well as for the practice and learning of camp crafts.

Much stress is laid upon the development and training of student leaders, and ample opportunity is offered for students to assume responsibilities in connection with the work of the department, as well as that of the Athletic Association.

THE UNIVERSITY LIBRARY

The general Library of the University contains about 1,844,600 volumes, exclusive of unbound pamphlets and doctoral dissertations. The various departments of instruction have special libraries in connection with their lecture rooms and laboratories. The Avery Architectural Library, the Law Library, the Ella Weed Library of Barnard College, the Teachers College Library, and the libraries of the College of Physicians and Surgeons and the College of Pharmacy are all available to students of the University.

For the convenience of the undergraduates of Barnard College there is maintained in the Ella Weed Library in Barnard Hall a carefully selected collection of reference books of about 60,477 volumes.

THE UNIVERSITY BOOKSTORE

The official University Bookstore is situated in the Journalism Building, with entrances at the southeast corner of 116th Street and Broadway, and from South Quadrangle between Fernald Hall and Journalism. Books and other supplies are sold at discounts from the usual prices. The store is open on week-days from 8:30 A.M. to 8:00 P.M.; Saturdays, 8:30 A.M. to 6 P.M.; during the first days of each session, until 10 P.M. The store maintains a theater and concert ticket service, a travel bureau, telegraph agency, and other services with substantial savings to Columbia students. Students having deposit accounts with the University may also make withdrawals at the bookstore.

Branches of the University Bookstore are maintained in Avery Hall, the McMillin Theater lobby, and at the College of Physicians and Surgeons.

ASSEMBLIES

University and College assemblies and other academic meetings at which attendance is required are held on Tuesday at 1:10 o'clock. Students must keep this hour free from other engagements.

OCCUPATION BUREAU

ST. PAUL'S CHAPEL

Services are held in the University Chapel, St. Paul's, every day, except Saturday, from 12 to 12:20. On Sunday morning the service is at 11. The aim of the Chapel is to provide suitable expression for the religious life and to give due place for its cultivation and influence. Attendance is voluntary. A plan of Chapel membership is provided, so that all who wish may have this affiliation and share in the work of the Chapel.

The choir is made up of students, and there is also a Chapel chorus. (See announcement of Department of Music, page 112.)

Besides the Chaplain and Assistant Chaplain, there is a staff of assistants, and there is also an adviser of religious organizations in Barnard College. Counselors for Protestant, Catholic, and Jewish students are also associated with the University.

OCCUPATION BUREAU

The Occupation Bureau registers alumnae and students in search of employment or professional advancement, and recommends them to employers who apply to the College. It supports by letters of recommendation applications which qualified candidates may make directly on their own initiative. In many cases, it can supply introductions to possible employers and suggest lines of approach.

In general, students are not advised to undertake employment during their first winter or spring session in college, since it is difficult for them to estimate at first the amount of time that can safely be spared from academic work. That is, the College prefers that they do not enter until they have funds available for the first year's expenses. After the first session or first year an able student in good health who does not have to commute, can usually arrange to spare three or four half-days a week, and can perhaps earn a part of her expenses in this way. Some summer work may also be obtained. Most unskilled student work is, however, paid at a low rate. No student who carries a full course can expect to earn all of her expenses, both tuition and living. Opportunities for part-time work calling for the number of hours that a student can spare are less than the number of students in search of them.

Both students and graduates making inquiry of the bureau are given as much information as possible about opportunities in different lines of work and the requirements therefor. For each student a personal record including scholastic achievement, rating in the entrance Scholastic Aptitude Test, extra-curricular interests, vocational interests, and experiences, etc., is kept in this office, in order that the vocational information given may be as helpful as possible. A small library of vocational books, pamphlets, and bibliographies is in the bureau for the use of students, as well as files of civil service examination notices and regulations of state and city education departments. Considerable information in regard to occupational problems, opportunities, and requirements is accumulated through the survey of alumnae occupations and earnings made in connection with the *Alumnae Register* and through the informal individual reports of the many graduates who keep in personal touch with the bureau. The Vocational

Advisory Committee of the Associate Alumnae coöperates with the bureau, particularly in planning vocational meetings; and members of the Faculty assist students with information in regard to particular occupations.

The College keeps in touch with the *Coöperative Bureau for Teachers* and the *Institute of Women's Professional Relations*, and utilizes the information collected by them.

STUDENT ORGANIZATIONS

Under the system of self-government in use in the College, the various student organizations are supervised by the Student Council and the Representative Assembly, subject to the general approval of the Faculty. The Student Council also administers the Honor Code, in accordance with which all students on entering Barnard College agree to maintain a high standard of honor in examinations and all phases of college life.

Every regular or unclassified student is a member also of the Undergraduate Association, and as such is at liberty, on payment of the student fee, to take part in all general undergraduate and class functions, to make use of all privileges of the Athletic Association, and to receive the College weekly paper and literary quarterly. Special students may become special and associate members of the Association, if they so desire.

STATISTICS

	1889 to 1890	1894 to 1895	1899 to 1900	1904 to 1905	1909 to 1910	1914 to 1915	1919 to 1920	1924 to 1925	1929 to 1930	1930 to 1931	1931 to 1932	1932 to 1933	1933 to 1934	1934 to 1935	1935 to 1936	1936 to 1937	1937 to 1938	1938 to 1939	1939 to 1940	1940 to 1941	1941 to 1942
UNDERGRADUATES, REGULAR:																					
Seniors . . . . .	..	9	40	83	62	*123	87	*126	227	189	195	*213	170	*181	*189	*183	*200	*178	*164	172	180
Juniors . . . . .	..	18	37	71	122	110	190	259	237	222	230	207	229	220	209	231	196	179	191	206	185
Sophomores . . . . .	..	18	37	75	109	191	193	234	247	264	232	233	243	226	232	199	188	193	210	212	219
Freshmen (regular)	4	26	54	110	188	240	224	271	311	291	282	262	241	267	241	257	234	236	246	248	257
Freshmen (partly regular)	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified students . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SPECIAL STUDENTS:																					
Matriculated	14	71	171	339	481	664	694	947	1076	1028	1002	1008	970	997	1003	1005	958	923	954	967	979
Nonmatriculated . . . . .	..	..	21	27	24	32	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Departmental (1889-1896)	22	29	..	..	30	32	22	33	28	26	42	35	32	29	24	28	28	31	31	27	30
Music students (1896-1904, 1914-1915) . . . . .	..	..	41	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRADUATE STUDENTS (1890-1900)	22	29	62	27	54	69	61	33	28	26	42	35	32	29	24	28	28	31	31	27	30
TOTAL STUDENTS PRIMARILY REGISTERED AT BARNARD . . . . .	..	19	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
STUDENTS FROM COLUMBIA UNIVERSITY	36	119	315	366	535	733	755	980	1104	1054	1044	1043	1002	1026	1027	1033	986	954	985	994	1009
STUDENTS FROM TEACHERS COLLEGE . . . . .	..	..	..	62	59	28	80	153	234	195	167	143	118	163	171	174	114	119	92	88	66
TOTAL STUDENTS FROM OTHER PARTS OF THE UNIVERSITY . . . . .	..	..	18	77	200	*108	38	50	62	45	46	29	37	21	48	25	22	26	20	25	11
TOTAL REGISTRATION . . . . .	..	..	18	139	259	136	118	203	296	240	213	172	155	184	219	199	136	145	112	113	77
DEGREES CONFERRED:	36	119	333	505	794	869	873	1183	1400	1294	1257	1215	1157	1210	1246	1232	1122	1099	1097	1107	1086
A.B. . . . .	..	8	39	83	88	141	139	198	247	218	219	231	200	221	219	210	245	216	206	209	..
B.S. (1909-1918) . . . . .	..	..	..	..	2	8	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A.M. (1894-1900) . . . . .	..	1	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ph.D. (1895-1900) . . . . .	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TOTAL BACHELORS' DEGREES CONFERRED 1893-1941: A.B., 6561; B.S., 77.
 * The figures for seniors include students counting the first year in a professional school of the University in place of the fourth year at Barnard as follows:

1913-14	18 in Education	1936-37	2 in Medicine
1914-15	3 in Education	1937-38	3 in Law
1916-17	1 in Journalism	1938-39	1 in Architecture,
1921-22	1 in Journalism		1 in Medicine
1922-23	1 in Journalism	1939-40	1 in Business,
1923-24	2 in Journalism,		1 in Law
	1 in Medicine		

DEPARTMENTAL STATEMENTS

The following general regulations apply to all courses. The paragraphs on "The Program of Studies," pp. 27-29, should be carefully read.

PREREQUISITES AND CREDIT. — Admission to courses depends upon completion of the prerequisites as stated for each course. When no department is named, it is to be assumed that the reference is to a numbered course in the same department. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the winter or of the spring session in which the course is given. Where no prerequisite is stated and where no limitation is noted, the course may be taken for the degree by any student of the college.

No credit in points will be given for a course which is taken subsequent to the course or courses for which it is in any way a prerequisite, though not formally so announced. Courses must be taken for the credit value announced — for no more or no less.

DESIGNATION OF COURSES. — Courses designated by capital letters are prescribed. Elective courses are designated by numbers, odd numbers indicating the winter session, and even numbers the spring session. A compound course is therefore designated by an odd number and the succeeding even number. The numbers from 1 to 99 inclusive are given to courses open only to undergraduates; the numbers from 100 to 199 inclusive are given to courses open to both undergraduates and graduates, the lower numbers in each case being used for the introductory courses.

Indivisible courses are announced with a hyphen between the numerals (e.g., History 1-2) and are regarded as full-year courses of which the first half is always assumed to be prerequisite for admission to the second half, and, except for reasons of weight, and with the written consent of the instructor and the Committee on Instruction no credit will be given for work dropped at the mid-year or before the completion of the course.

Divisible courses are announced with a comma between the numerals (e.g., English 1, 2). Of these courses the first half may be taken separately but is ordinarily assumed to be prerequisite to the second half. *Therefore admission to the second half of a divisible course is granted only when all prerequisites have been met and the written consent of the instructor obtained.*

A Roman numeral in parentheses after the hour indicates the section number (e.g., M., W. and F. at 9 (I), at 10 (II), etc.).

COURSES AT COLUMBIA UNIVERSITY OR TEACHERS COLLEGE. — Courses marked with an asterisk (*) are given at Columbia University (cf. p. 30).

Courses marked with a dagger (†) are given at Teachers College. *Work at Teachers College mentioned herein may be pursued only by regularly enrolled students of Barnard College and only when counting toward the Barnard Col-*

lege degree. Certain courses not here specified as being open at Teachers College may, through the courtesy of Teachers College and with the consent of the Committee on Instruction, be taken by specially qualified seniors.

WITHDRAWAL OF COURSES. — When an announced course has not been applied for by at least three candidates for the degree, the instructor may withdraw it.

TEXTBOOKS, etc. — For further detailed information in regard to topics, textbooks or methods in any particular course students are referred to the instructors.

INTERDEPARTMENTAL COURSES

AMERICAN STUDIES

A study of American culture from the aspects of economics, government, history, literature and sociology, under the direction of a committee. Chairman for 1942-43, Dean GILDERSLEEVE; director of studies, Miss DAVIES.

In several departments, American Studies may be counted toward the major for a varying number of points, to be determined in each case by the department.

1-2 — *American institutions.* The development of American institutions: a study of the state, the family, business enterprise, the school, the church, class structure and the community. Full-year course. MEMBERS OF THE DEPARTMENTS OF ECONOMICS AND SOCIOLOGY, ENGLISH, GOVERNMENT AND HISTORY. Miss DAVIES, director. 8 points. Open to juniors and seniors and to qualified sophomores on written permission of the committee in charge. Students wishing to take this course should make written application before April 15 on forms to be obtained at the Registrar's office. M., W. and F. at 10, and conferences with the director.

3-4 — *Advanced American studies.* Under the supervision of the director, each student will complete a list of readings planned to supplement and co-ordinate her knowledge of historical and contemporary America. After she has passed one or more reading examinations, she will select an individual research topic, or field work. Members of one or more of the coöperating departments will preside over regular weekly conferences. Full-year course. Miss DAVIES, director. 8 points. Preceding or parallel, Course 1-2. Open to qualified seniors on written permission of the committee in charge. Students wishing to take this course in future are advised to include in their programs as many as possible of the following courses: Economics 1-2; English 77-78; Government 1, 2; History 9, 10; Sociology 1-2. Written applications for admission must be made before April 15 on forms to be obtained at the Registrar's office. Hours to be arranged.

MEDIEVAL STUDIES

1-2 — *An integrated study of medieval culture from the aspects of fine arts, history, language, literature and philosophy,* focusing for each student on one or more special subjects. Full-year course. Each student will be assigned

to an individual tutorial adviser under whose direction she will pursue a special program of work consisting of such attendance at lectures, individual conferences with members of the faculty, reading, special research, visits to museums, etc., as may seem best for her needs, and making full use of the resources of the University and of the city. MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, GERMAN, HISTORY, ITALIAN AND PHILOSOPHY under the direction of a committee. Chairman for 1942-43, Professor STURTEVANT. 6 points. Open to qualified seniors on written permission of the chairman of the committee in charge. Written application must be made before April 15 on forms to be obtained at the Registrar's office. Students wishing to apply must have taken two of the following courses or their equivalents: English 49, 50; Fine Arts 51, 52; History 17, 18; Italian 19; Philosophy 61. If admitted, they must take two more of these courses parallel with Medieval Studies 1-2. History 17, 18 must be one of those taken, either preceding or parallel.

Relation to Major.

Medieval Studies may be counted toward a major in the departments concerned, on a variable basis subject to the approval of the departments and the Committee on Medieval Studies.

Related Courses — Not required.

For students who desire a more complete integration of the various aspects of the medieval period, the Committee on Medieval Studies suggests that one or another of the following courses would be especially appropriate in connection with Medieval Studies, according to the primary interest of the individual student: English 53-54, English 57, Fine Arts 152, French 7, German 45, Music 23-24, Philosophy 145-146.

PHILOSOPHICAL STUDIES

2 — *Schemes for a better world — a backward look over the Utopian ideals of the past and a taking stock of the obstacles to the achievement of the good life in the future.* The required reading will include the more important Utopias from Plato to the present time supplemented by certain great satires on man and society and works in the field of the social sciences. Class meetings will be devoted in part to a consideration of the texts and in part to symposia in which members of the collaborating departments will discuss with one another and with the students the major difficulties that lie in the way of attaining world peace, prosperity and happiness. In place of a final examination each student will write a serious term paper in which, within the frame of her own conception of the good life, she will treat of that aspect of the problem which she is best equipped to handle. Professor PARKHURST with the collaboration of the DEPARTMENTS OF ANTHROPOLOGY, ECONOMICS, GOVERNMENT, HISTORY, PSYCHOLOGY, RELIGION AND SOCIOLOGY, represented by Professors REICHARD, BAKER, PEARDON, Mme. MURET, Professor YOUTZ, Mrs. NIEBUHR and Professor WALLER. 2 points. Open to seniors and specially qualified juniors. The course may count toward a major in philosophy. Candidates for admission to this course must apply in writing before November 15 on forms to be obtained at the Registrar's office. F., 3-5.

RENAISSANCE STUDIES

1-2 — *An integrated study of the origins of the modern era as found in the fifteenth and sixteenth centuries in Europe, from the aspects of fine arts, history, literature and philosophy*, focusing for each student on one or more special subjects. A reading course with a special tutorial adviser for each student, culminating in a report or essay on the student's special subject. MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, HISTORY, ITALIAN, MUSIC AND PHILOSOPHY under the direction of a committee. Chairman for 1942-43, Professor LEDUC. 6 points. Open to seniors on written permission of the committee in charge. Students wishing to take this course should make written application before April 15 on forms to be obtained at the Registrar's office. Students must have already completed satisfactorily History 1-2 or its equivalent and at least two of the courses on the following list. They should take parallel with Renaissance Studies 1-2 at least two additional courses from this list. In all cases students must have the approval of their programs by their major departments. Hours to be arranged.

Comparative literature 9-10 — Medieval and Renaissance culture. Professors BIGONGIARI and PREZZOLINI, Dr. KRISTELLER and Miss CARBONARA.

English 58 — Development of English drama. Professor LATHAM.

English 63 — English literature of the Renaissance. Professor HOWARD.

Fine Arts 62 — Italian Renaissance sculpture. Professor LAWRENCE.

Fine Arts 65 — Italian Renaissance painting. Dr. HELD.

Fine Arts 66 — Renaissance painting in northern Europe. Dr. HELD.

French 31, 32 — The Renaissance in France. Professor LEDUC.

Government 31 — The history of political thought. Professor PEARDON.

Greek 12 — Plato: *Apology*; Euripides (one play). Professor HIRST.

History 17, 18 — Medieval civilization and the Renaissance. Professor BYRNE.

Italian 16 — The Renaissance. Miss CARBONARA.

Italian 20 — Italian civilization. Professors BIGONGIARI, PREZZOLINI and RICCIO and Miss CARBONARA.

Latin 12 — Horace. Professor DAY. *Latin* 22 — Juvenal; Martial; Pliny. Professor HIRST.

Music 1-2 — A survey of music. Miss TENNEY.

Philosophy 61-62 — The history of philosophy. Professor MONTAGUE and Dr. RICH.

ANTHROPOLOGY

GLADYS REICHARD, Ph.D., Associate Professor of Anthropology, *Executive officer*.

*GEORGE HERZOG, Ph.D., Assistant Professor of Anthropology.

A major in anthropology will satisfy the requirement in Group III. Students majoring in this subject must satisfy the 14-point requirement in Group

* Officer of Columbia University offering a course specially recommended to qualified Barnard students.

II in subjects other than anthropology. For other students, courses in anthropology will count toward the group requirement as indicated for each course by the statement made in connection with the point value.

A major in anthropology. — Students majoring in anthropology will be required to take: (a) a major examination in three parts of which one will be in language, the other two according to the work pursued by the individual student and (b) the following courses in

Anthropology — Courses 1, 2, or 3, 4.

Other fields — A reading knowledge of German and courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

[1, 2 — *Introduction to historical anthropology.* The early history of mankind; the antiquity of man; the races of man; the distribution of languages; the independent development in the new world and the old; characterization of the tribes of Africa, Australia, Polynesia, Asia, prehistoric Europe and America. Professor REICHARD. 8 points in Group III. Open to all excepting freshmen. Either half of this course may be taken separately. *Not given in 1942-43.*]

Courses 1, 2 and 3, 4 are ordinarily given in alternate years.

3, 4 — *Introduction to comparative anthropology.* Problems of race; the growth of civilization; the historical development of industries, forms of art, society and religion. The application of anthropological data to modern social problems; the development of reason; the emotional attitudes determining behavior; the influences of patterns determining lines of thought and action; the individual and society. Professor REICHARD. 8 points in Group II. Open to all excepting freshmen. Either half of this course may be taken separately. M., W. and F. at 1, and weekly visits to the American Museum of Natural History at hours to be arranged.

5, 6 — *Language and thought.* Analysis and comparison of expression in English and one or more Indo-European languages (determined by the languages offered by students applying for the course); relationship between grammar, thought and vocabulary. Special attention to analysis, use and function of vocabulary. Professor REICHARD. 4 points in Group I. Especially recommended for foreign students and students interested in language and linguistic problems. Course 5 is prerequisite for Course 6. W., 3-5.

7, 8 — *The study of unwritten languages.* Kind of thought and its expression in unwritten languages. Methods of recording, significance of grammatical processes; thought categories; analysis of vocabulary; types and distribution of languages; importance of language research in the social sciences; relationship between language, race and culture. Professor REICHARD. 4 points in Group I. Open only on written permission of the instructor. Hours to be arranged.

[13 — *Primitive social life*. The organization of the family, sib, totem and association; kinship and marriage customs; rank, property, wealth, inheritance, position of women, education; birth, puberty and funeral customs; political organization; the relation of the individual to his environment and comparisons between modern and primitive societies. Professor REICHARD. 3 points in Group III. Open to all juniors and seniors and to specially qualified students on written permission of the instructor. *Not given in 1942-43.*]

[14 — *Man and the supernatural*. Primitive religion: questions of taboo, ancestor worship, the fetish, animism, shamanism, the vision, priesthood and witchcraft; deities, sacrifice and ceremonialism. Rationalistic and emotional factors in religious life. The relationship of religion to other phases of culture. Theories of origins and development. Professor REICHARD. 3 points in Group III. Open to all juniors and seniors and to specially qualified students on written permission of the instructor. *Not given in 1942-43.*]

Courses 13, 14, and 107, 108 are ordinarily given in alternate years.

51, 52 — *Seminar: problems in anthropology*. The specific subject for discussion will be determined by the interests of the students applying for the course. Professor REICHARD. 4 points in Group III. Open only to students who have had some work in anthropology and with written permission of the instructor. May be taken two years in succession. Hours to be arranged.

107 — *Traditional literature*. Primitive literature in the old and new worlds. Form and content of tradition: the proverb, riddle, folk tale, myth, fairy tale, romance, adventure, novel, verse and song. Types of character and plot. Mythological styles defined. This course aims to acquaint students with valuable material which is not generally known, rather than to develop mythological theories, although the latter will be briefly discussed. Professor REICHARD. 3 points in Group I. Open to all juniors and seniors and to specially qualified students on written permission of the instructor. M., W. and F. at 11.

108 — *The art of primitive man*. Control of technic; geometrical and representative design. Art of various groups defined. A study of proportion, of design, line and mass; of rhythm, symmetry and balance; of color. The attitude of the artist and of the social group. Theories of art. Professor REICHARD. 3 points in Group I. Open to all juniors and seniors and to specially qualified students on written permission of the instructor. M., W. and F. at 11.

*127 — *Folk music*. The study of folk music in Europe and in America; its relation to balladry, song text and the social setting. Comparisons with occidental, oriental and primitive music. Demonstrations by phonograph records. Professor HERZOG. 3 points in Group I. Prerequisite, Music 31-32 or the written permission of the instructor. Open to qualified juniors and seniors. M. and W. at 2. 703 Journalism.

*128 — *Primitive music*. Origins of music; the various social functions of music. A brief survey of different types of primitive music, scales, development of rhythm, musical instruments; the relation of primitive music to poetry. Demonstrations by phonograph records. Professor HERZOG. 3 points in Group I. Prerequisite, Music 31-32 or the written permission of the instructor. Open to qualified juniors and seniors. M. and W. at 2. 703 Journalism.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Philosophy, Psychology and Anthropology.

ARCHAEOLOGY. See *Fine Arts and Archaeology* and *Greek and Latin*.

ASTRONOMY

JAN SCHILT, Ph.D., Rutherford Professor of Astronomy, *Executive officer*.

*1-2 — *General astronomy*. This course leads to an understanding of our knowledge concerning the structure of the solar system and the sidereal universe. Full-year introductory course. Professor SCHILT. 6 points. Tu. and Th. at 11, and quiz and observatory hours, M. at 7:30 P.M. 301 Pupin.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Mathematical and Physical Sciences. Students wishing to continue work in astronomy should note the prerequisites for the advanced courses and plan their work accordingly.

BOTANY

CORNELIA L. CAREY, Ph.D., Assistant Professor of Botany, *Executive officer*.

HAROLD C. BOLD, Ph.D., Assistant Professor of Botany.

W. GORDON WHALEY, Ph.D., Instructor in Botany.

MARION E. RICHARDS, A.M., Lecturer in Botany.

A major in botany. — Students majoring in botany will be required to take in

Botany — Courses 51-52, 53-54 or 55-56, and such other courses, subject to the approval of the department, as meet the particular needs and purposes of each student. Only one of the two courses, 57 and 60, may be counted toward a major.

Other fields — Other courses according to the special needs of the student.

Major students are permitted to use a limited space in the greenhouse for practical work in plant propagation.

51-52 — *General botany*. Full-year course. Professors CAREY and BOLD, and Miss STONE. 8 points. Lectures: Tu. and Th. at 9. Laboratory (4 hours): Tu. and Th., 10-12 or 2-4, or, if more than 60 students elect the course, M. and W., 1-3. A portion of the laboratory work is conducted in the greenhouse and occasional field trips are required.

53-54 — *General morphology of plants*. Full-year course. Professor BOLD. 8 points. Prerequisite, Course 51-52 or the equivalent. Lectures: M. and W. at 11. Laboratory (4 hours) to be arranged. Occasional field trips required.

[55-56 — *Structure and relationships of flowering plants*. Full-year course. Professor BOLD. 6 points. Prerequisite, Course 51-52 or the equivalent. *Not given in 1942-43.*]

57 (*old number 62*) — *The history and uses of plants*. Plants — their place in the biological picture. Their utilization and significance to man. Dr. WHALEY. 3 points. This course does not satisfy the requirement of a laboratory science. Lectures: M. and W. at 9. Demonstrations, conferences and trips: Th. 1-3.

58 — *General plant physiology*. Mrs. RICHARDS. 5 points. Prerequisite, Course 51-52. Lectures: Tu. and Th. at 11. Laboratory (6 hours): Tu., 2-5 and Th., 1-5, in so far as possible.

59 — *Genetics*. Mendelian principles of heredity, sex determination and differentiation, genetic control of development. Dr. WHALEY. 3 points. Prerequisite, a year of college work in either botany or zoölogy except on written permission of the instructor. Lectures: M. and W. at 3. Laboratory or conference (2 hours) to be arranged.

60 — *Plant culture*. Theoretical discussions and practical work on plant propagation. Professor BOLD. 3 points. No previous knowledge of botany is required. This course does not satisfy the requirement of a laboratory science. Open only on written permission of the instructor. Lecture: M. at 1. Laboratory (4 hours): M., 2-4, and two additional hours to be arranged.

64 — *General bacteriology*. Professor CAREY. 5 points. Open only to science majors of junior or senior standing. Lectures (2 hours) and laboratory (6 hours) to be arranged preferably on Tu. and Th.

124 — *Morphogenesis*. A general survey of the principles of growth and development, with laboratory projects in experimental plant morphology. Dr. WHALEY. 4 points. Prerequisite, at least two years of college work in either botany or zoölogy. Open only on written permission of the instructor. Lectures: M. and W. at 3. Laboratory (4 hours) to be arranged.

151-152 — *Bacteria and ferment fungi*. Winter session: General laboratory technic in bacteriology. Spring session: Pathogenic forms, foods and standard methods of milk and water analysis. Lectures will include the chemistry of bacteria and immunity. Full-year course but divisible by permission of the instructor. Professor CAREY and Mrs. SMITH. 10 points. Prerequisite, at least a year of college work in either botany or zoölogy. Preceding or parallel, organic chemistry. Open only to properly qualified juniors and seniors. Lectures: M. and W. at 1. Laboratory (6 hours): M. and W., 9-12 or 2-5, or hours to be arranged.

153 — *Physiological anatomy of vascular plants*. Mrs. RICHARDS. 5 points. Prerequisite, Course 53-54 or 55-56, except on written permission of the instructor. Lectures: Tu. and Th. at 11. Laboratory (6 hours): Tu., 2-5 and Th., 1-5, in so far as possible.

155 — *Phycology*. An advanced general survey of the freshwater and marine algae. Professor BOLD. 4 points. Prerequisite, Courses 51-52 and 53-54 or the equivalent. Lectures (2 hours) and laboratory (4 hours) to be arranged.

160 — *Physiological microbiology*. General physiology of micro-organisms. Reading and reports on contemporary literature. Technic and cultivation of various groups adapted to the need of students. Professor CAREY. 3, 4 or 5 points. Open only on written permission of the instructor. Lectures (2 hours) and laboratory (4 to 6 hours) to be arranged.

161, 162 — *Advanced morphology and physiology*. Work will be planned to suit the needs of the students after consultation with the instructors. This course may be taken in successive years. Professors CAREY and BOLD, Mrs. RICHARDS and Dr. WHALEY. Hours and credit by arrangement.

CHEMISTRY

MARIE REIMER, Ph.D., Professor of Chemistry, *Executive officer*.

ELEANOR KELLER, A.M., Associate Professor of Chemistry.

EVELYN E. BEHRENS, Ph.D., Instructor in Chemistry.

HELEN R. DOWNES, Ph.D., Instructor in Chemistry.

LUCIA S. FISHER, A.B., Lecturer in Chemistry.

CAROLYN FROST BAKER, A.B., Lecturer in Chemistry.

A major in chemistry. — Students majoring in chemistry will be required to take in

Chemistry — Courses 5-6, 63, 64, and 41-42. Course 105 is strongly advised.

Other fields — Physics — a year's work in general physics. Mathematics 7-8 or 1 and 22. A course in calculus is advised. A reading knowledge of German to be acquired by the beginning of the third year's work. A reading knowledge of French is also necessary for students specializing in chemistry.

5-6 — *General inorganic chemistry*. Full-year course. Professors REIMER and KELLER, Mrs. FISHER and Miss MALONEY. 8 points. Preceding or parallel, *Mathematics* 7-8 or 1 and 22. Lectures: Tu. and Th. at 10 and a third hour, S. at 10 or F. at 1. The S. hour is intended primarily for freshmen. Laboratory: For students who are beginning the subject (I) W. or Th., 2-4:30. For students who have had high-school chemistry (II) M. or Tu., 2-4:30. In order to obtain full credit for the course a student who has had high-school chemistry must take laboratory section (II).

63, 64 — *Qualitative and quantitative analysis*. Professor KELLER and Dr. BEHRENS. 12 points. Prerequisite, Course 5-6. Laboratory deposit, \$10.00 each session. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 1-4 or Tu., 2-5 and Th., 1-4.

65, 66 — *Quantitative analysis, advanced course*. Professor KELLER and Dr. BEHRENS. 8 points. Prerequisite, Course 63, 64. Laboratory deposit, \$12.50 each session. This course is designed to meet the needs of individual students and will be given for a class of five or more. Lecture: Th. at 1. Laboratory (6 hours): Tu. and Th., 9-12.

41-42 — *Organic chemistry*. Full-year course. Professor REIMER, Dr. DOWNES and Mrs. BAKER. 12 points. Prerequisite, Course 5-6 and, except on written permission of the department, Course 63, 64. Laboratory deposit, \$12.50 each session. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 2-5 or Tu. and Th., 9-12.

42a — *Organic chemistry, shorter course*. Dr. DOWNES and Mrs. BAKER. 6 points. Prerequisite, Course 5-6. Laboratory deposit, \$15.00. This course will be given for a class of five or more. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 2-5 or Tu. and Th., 9-12.

105 — *Physical chemistry*. Professor KELLER and Dr. BEHRENS. 6 points. Prerequisite, Courses 63, 64, 41-42; Physics 11-12 and a course in calculus. Laboratory deposit, \$15.00. Lectures: M., W. and F. at 2. Laboratory (a minimum of 6 hours): Tu. and Th., 9-12.

106 — *Inorganic chemistry, advanced course*. Professor KELLER and Dr. BEHRENS. 6 points. Prerequisite, Courses 63, 64; 41-42; Physics 11-12. Laboratory deposit, \$15.00. Lectures: M., W. and F. at 10. Laboratory (a minimum of 6 hours): Tu. and Th., 9-12.

145, 146 — *Organic chemistry, advanced course*. Professor REIMER, Dr. DOWNES and Mrs. BAKER. 12 points. Prerequisite, Courses 5-6; 63, 64; 41-42. Laboratory deposit, \$15.00 each session. Lectures: M., W. and F. at 11. Laboratory (a minimum of 6 hours): Tu. and Th., 2-5.

150 (old number 156) — *Physiological chemistry*. Dr. DOWNES. 6 points. Prerequisite, Courses 63, 64, 41-42 and Zoölogy 1-2. Zoölogy 97-98 is strongly recommended as a parallel course. Laboratory deposit, \$15.00. Lectures: M., W. and F. at 11. Laboratory (6 hours): Tu. and Th., 9-12.

157, 158 — *Problems in chemistry*. Lectures, conferences and laboratory work on advanced topics in organic or inorganic chemistry, or micro-analysis. Professors REIMER and KELLER, Drs. BEHRENS and DOWNES. Open only to advanced students. Laboratory deposit, \$15.00 each session. Hours and credit by arrangement.

CHINESE. See *Fine Arts and Archaeology, History, and Oriental Civilizations*.

CLASSICAL CIVILIZATION. See *Greek and Latin*.

COMPARATIVE LINGUISTICS

§LOUIS HERBERT GRAY, Ph.D., Professor of Comparative Linguistics.

1, 2 — *The foundations of language*. Winter session: The nature and universal principles of language, its physiological and psychological foundations, and its relations to the various phenomena of human civilization: classification, distribution and characteristics of the types of language. Spring session: Survey of the Indo-European languages; sound-changes and sound-laws; outlines of inflection and syntax; development of the meaning of words. The entire course is designed to give students in classics, modern languages and English a general scientific knowledge of the principles common to all languages, particularly as found in the Indo-European group, and thus to aid them in gaining a better understanding of the languages in which they are specializing. Professor GRAY. 4 points. Open to all excepting freshmen. This course cannot count toward the major in any language. Tu. and Th. at 4. 508 Philosophy (winter session), 511 Philosophy (spring session).

COMPARATIVE LITERATURE ¹

Staff for 1942-43

*DINO BIGONGIARI, A.B., Da Ponte Professor of Italian.

*GIUSEPPE PREZZOLINI, Professor of Italian.

TERESA A. CARBONARA, A.M., Instructor in Italian.

*PAUL O. KRISTELLER, Ph.D., Associate in Philosophy.

9, 10 — *Medieval and renaissance culture, as exemplified by literary documents, Italian and Latin*. Winter session: The significant aspects of thirteenth- and fourteenth-century civilization: Dante and his contemporaries. Rise of Humanism: Petrarch and Boccaccio. Spring session: Revival of classical learning; return of Platonism; culture of the Medici court. Classical drama with special reference to pastoral plays and tragi-comedies. Historians and their political teachings; Machiavelli. Artistic theories and the doctrine of the pre-eminence of the fine arts in the life of man: Alberti, Da Vinci, Michael Angelo, Vasari. Origins of modern science: Galileo. Full-year course. Professor BIGONGIARI and Miss CARBONARA (winter session), Professor PREZZOLINI, Dr. KRISTELLER and Miss CARBONARA (spring session). 6 points. Open to juniors and seniors. Recommended for English majors. M., W. and F. at 1.

4 — *Goethe in English, with special emphasis on "Faust."* The object of this course is to present the poet, Goethe, as the dominating literary figure of his day in Europe. While the students' first concern will be to become acquainted with as many important and representative works of Goethe as possible, problems of special interest to students of English and of comparative literature will be considered, such as Goethe's relations to English literature and English writers, Shakespeare, Byron, Scott, Carlyle and others. Students with an adequate reading knowledge of German will be encouraged to read at least some portions of the assigned works in the original. Professor BRAUN. 3 points. Open to juniors and seniors. M., W. and F. at 9.

¹ All courses are conducted in English.

* Officer of Columbia University giving instruction in Barnard College.

§ Officer of Columbia University offering a course open to Barnard students.

[5-6 — *Italian dramatic literature*. A study of the history of the Italian drama from the beginning to modern times, with special attention to the periods in which the influence of the Italian theatre made itself felt in Europe at large. Full-year course. Professors BIGONGIARI and PREZZOLINI and Miss CARBONARA. 6 points. Open to juniors and seniors. *Not given in 1942-43.*]

[7 — *Contributions of Spain to world literature*. The great masterpieces of Spanish literature, with special attention to the relations of the literature of Spain and Spanish America and that of England and the United States. Professor DE ONÍS. 3 points. Open to juniors and seniors. Recommended for English majors. *Not given in 1942-43.*]

See also *English* 49, 50, page 77.

DRAMA

For the student who is particularly interested in dramatic literature and its development — both historical and technical — the following courses are recommended. Details regarding them may be found on the pages noted.

The attention of the student who wishes to obtain a thorough knowledge of the collateral development and interrelationship of the drama in England and on the continent is directed to Group B.

For a more intensive study of certain dramatists and their works and influence, courses in Group C should be elected, after a study of some phase of the development of drama.

For students interested in Modern Drama, Group D, some knowledge of preceding development is desirable.

The writing of plays and work on the stage as author, director, and actor as in Group E invests the student with some technical knowledge of the structure and production of plays and the problems which arise from the stage and the conventions of different periods.

(Note. Except where specified, all texts are read in their original tongues.)

Courses in brackets will not be given in 1942-43.

GROUP A — THE CLASSICAL DRAMA

[*Classical Archaeology* 71 — *The Greek and Roman theatre*. Professor BIEBER. See page 94.]

Greek 21 — *Greek tragedy*. Professor DAY. See page 95.

Greek 22 — *Greek comedy*. Professor DAY. See page 95.

Classical Civilization 55, 56 — *Greek literature in translation*. Dr. CLAF-LIN. See page 95.

[*Latin* 37 — *Plautus, Terence, Seneca*. Professor HIGHET. See page 97.]

GROUP B — THE HISTORY OF THE DRAMA

[*English* 57, 58 — *Development of the English drama*. Professor LATHAM. See page 77.]

ECONOMICS AND SOCIOLOGY

67

English 59 — *Modern English drama*. Professor LATHAM. See page 78.

French 27, 28 — *History of the French drama*. Professor HOFFHERR. See page 85.

[*Comparative literature* 5-6 — *Italian dramatic literature*. Professors BIGONGIARI and PREZZOLINI and Miss CARBONARA. See page 66.]

Spanish 17-18 — *The Spanish drama of the Golden Age*. Mrs. DEL RIO. See page 125.

Recommended parallel courses: *Classical Archaeology* 71, *Latin* 37.

GROUP C — DRAMATISTS

English 61-62 — *Shakespeare*. Professor BREWSTER. See page 78.

German 5, 6 — *Lessing, Goethe and Schiller*. Professor BRAUN. See page 89.

Comparative literature 4 — *Goethe in English, with special emphasis on "Faust."* Professor BRAUN. See page 65.

GROUP D — MODERN DRAMA

English 60 — *Modern English drama*. Professor LATHAM. See page 78.

[*German* 25, 26 — *The drama of the nineteenth century*. Professor BRAUN and Mrs. STABENAU. See page 90.]

[*Italian* 23, 24 — *Modern Italian literature*. Professor RICCIO. See page 103.]

Spanish 22 — *Contemporary Spanish literature*. Mrs. DEL RIO. See page 126.

GROUP E — PLAYWRITING

English 15, 16 — *Playwriting*. Professor LATHAM. See page 76.

Wigs and Cues, the Barnard dramatic club, offers opportunities for experience in directing, acting, stagecraft and producing.

The Columbia University Radio Club offers opportunities for broadcasting experience over the local station CURC.

ECONOMICS AND SOCIOLOGY

A major in economics. — Students majoring in economics will be required to take in

Economics — Courses 1-2, 13 or 14, 17 and 27. Beyond these courses the work will vary with the interests of the students. Advanced courses may be taken parallel to Courses 13 or 14 and 17.

Other social sciences — In view of the essential unity of the social sciences every student majoring in economics or in sociology, or in a combination involving these disciplines, is required to take courses amounting to 12 points in two of the following departments, as selected in confer-

ence with her adviser: Anthropology, geography, government, history, philosophy, psychology, religion.

Economics majors may elect courses in sociology including *Sociology 1-2* in place of courses in any one of the departments listed above.

A major in sociology. — Students majoring in sociology will be required to take:

Economics 1-2, 17; Sociology 1-2 and either 7, 8 or 31, 32, and beyond these courses which will vary with the interests of the students. With written permission of the department, one or more courses in allied subjects may be offered as part of the required 28 points. Only one introductory course may count toward the major.

Other social sciences — see requirement stated above, except that sociology majors may elect courses in economics, including *Economics 1-2*, in place of courses in any one of the departments listed above.

A major in economics and sociology. — Students majoring in economics and sociology will be required to take:

Economics 1-2, 13 or 14, 17, 27; Sociology 1-2 and either 7, 8 or 31, 32, and at least one of the following courses: *Economics 4, 18, 19, 20, 51, 52; Sociology 7, 8, 31, 32, 41, 42, 97, 98, 104.* Only one introductory course may count toward the major.

Other social sciences — see requirement stated above.

A major in economics and government. — Students majoring in economics and government will be required to take:

Economics 1-2, 13 or 14, 17, 27; Government 1, 2, 3, 4, 25, 26 and at least one additional course in economics or in government.

Other social sciences — see requirement stated above.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in this department or in a combination of subjects involving this department, will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. Information concerning this examination will be available on application to the department.

See also *American Studies*, page 56.

ECONOMICS

ELIZABETH FAULKNER BAKER, Ph.D., Associate Professor of Economics,
Executive officer.

RAYMOND J. SAULNIER, Ph.D., Assistant Professor of Economics.

DONALD B. MARSH, Ph.D., Instructor in Economics.

CLARA ELIOT, Ph.D., Lecturer in Economics.

1-2 — Introductory economics. Winter session: A description and analysis of present-day economic life with emphasis on certain basic features: consumption, the pricing of goods and services, production, corporate organization and the security markets, industrial combinations and the concentration of economic power, the monetary and banking system, business cycles and the problem of eco-

conomic stabilization. Spring session: Description and analysis of outstanding economic problems: railroads and public utilities, agriculture, foreign trade and foreign exchange, the distribution of income with special emphasis on the wages paid to labor and related problems, labor legislation, labor organization, government expenditures and revenues, proposed basic reforms (coöperation, economic planning, socialism, fascism, communism). Professors BAKER and SAULNIER, Drs. ELIOT and MARSH. 6 points. Required for majors and prerequisite for other courses as indicated (except that, by individual arrangement with the department, these requirements for all excepting freshmen may be met by the passing of a special examination). Divisible for freshmen only. M., W. and F. at 10 (I and II), and Tu. and Th. at 11 and Th. at 1 (III); also, for freshmen only, M., W. and F. at 9 (IV).

4 — *Economic problems of the consumer.* The consumer's role in wartime. Economics of rationing, price-fixing, consumer credit, "fair price" laws, etc. Protection of the consumer by the government, by consumer organizations. The coöperative movement. Possible post-war changes. Field trips to testing laboratories, housing projects, coöperative centers, etc. Students will work on special topics selected with consideration of their interests and their previous experience and training. Dr. ELIOT. 3 points. Tu. and Th. at 2.

13, 14 — *Development of capitalist institutions.* A survey of the development of our present economic society, with special emphasis on western Europe and on the United States. Winter session: The genesis of capitalist forms in ancient and medieval Europe. Technological and economic changes in the eighteenth and nineteenth centuries. The development of those financial institutions, forms of business enterprise, and technics of private and governmental control characteristic of capitalism in twentieth-century Europe. Spring session: The development of the American economy from colonial times. Early American mercantile capitalism. Industrial and finance capitalism in the nineteenth and twentieth centuries. The World War of 1914 and its economic aftermath in the interbellum period. The New Deal's Social Service State. American capitalism and the future. Dr. MARSH. 6 points. Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged.

15, 16 — *Problems and possibilities of economic planning.* The theoretical and practical problems which surround the choice of a governmentally planned economy as opposed to some other system for allocating economic resources. Winter session: Economic society in theory and in fact. The problem of investment and savings in a system of "free enterprise" and in a planned system. The long-run allocation of resources in an imperfectly competitive economy. The possibility of rational allocation of resources in a planned economy. The role of planning in a democracy, in economic mobilization and post-war de-control. Spring session: International trade under conditions of perfect and imperfect competition. The implications for trade policy. International cartels and combines. Governmental controls appropriate to autarchy. International controls in wartime. Planned economy and the post-war international economic order. Dr. MARSH. 6 points. Prerequisite, Course 1-2, or the equivalent. Tu. and Th. at 9 and a third hour to be arranged.

17, 18 — *Introduction to statistical analysis.* Winter session: The gathering of statistical data; tabulation; graphic presentation; simpler methods of summarization and comparison. The normal curve, sampling and unreliability. Statistical fallacies. Illustrations from various sciences. Possibilities and limitations of the statistical method. Spring session: Index numbers; analysis of time-series; correlation; analysis of variance. Dr. ELIOT. 6 points. Open to all excepting freshmen. Course 17 or the equivalent is prerequisite for Course 18. (Course 18 counts in Group II unless taken as part of a major in economics or sociology in which case it may count toward that major and the 14-point requirement in Group II must be satisfied in other subjects.) Tu. and Th. at 10 and a laboratory hour to be arranged.

19 — *Labor economics and labor problems.* An introduction to the analysis of the problems of American labor in a changing capitalistic system and in a period of world war: unemployment, wages and their determination, hours, sub-standard workers, migratory labor, the struggle for economic security, labor organization and the ideal of "democracy in industry," scientific management and modern personnel administration. The work of the fourth point will cover some special phase of this subject. Professor BAKER. 3 or 4 points. Prerequisite, Course 1-2. M., W. and F. at 1.

20 — *Labor organization in the United States and Europe.* An analysis of the attempts of organized labor to improve the status of workers, historically and during the present World War: the struggle between the A.F.L. and the C.I.O., the status of British, Swedish, and Russian labor, attitudes and policies of management, U. S. Supreme Court decisions, the National and State Labor Relations Acts, the Railroad Labor Act, the War Labor Board. What labor is fighting for. The work of the fourth point will cover some special phase of the subject. Professor BAKER. 3 or 4 points. Prerequisite, Course 1-2 and preferably also Course 19. M., W. and F. at 1.

[21 — *Corporation finance and investment.* An introduction to the development and present nature of financial and business organization with relation to the state, and to the investor, worker and consumer. The nature and function of corporate securities in capital formation, promotion, capitalization, financial statements. The principles and practices of investment are studied in connection with a class project which follows the financial sections of the newspapers, and observes the attempt of the Securities and Exchange Commission to protect investors. The work of the fourth point will cover some special phase of this subject. Professor BAKER. 3 or 4 points. Prerequisite, Course 1-2. *Not given in 1942-43.*]

[22 — *Business enterprise and personnel problems.* The business organization as a going concern dealing with its problems of marketing, production, personnel and finance. The role of the government in the regulation of business enterprise on behalf of stockholders and bondholders, workers and consumers. The work of the fourth point will cover some special phase of this subject. Professor BAKER. 3 or 4 points. Prerequisite, Course 1-2, and preferably also Course 21. *Not given in 1942-43.*]

23 — *Financial institutions: organization and functions.* A description of the organization and functions of commercial banks, savings banks, investment banking firms, consumer credit agencies, and other private and public financial institutions with attention to the supervision of these agencies by various government bodies, in particular to the structure and operation of the Federal Reserve System. Particular emphasis will be placed on the credit and fiscal problems raised by the war program. Professor SAULNIER. 3 points. Prerequisite, Course 1-2. M., W. and F. at 2.

24 — *Money, prices and economic stability.* The nature of money and the relations between money, prices and general business conditions; the business cycle and inflationary and deflationary processes; the technics of economic control exercised through money devices. Special attention will be given to the relation of monetary processes to price inflation during a war period. Professor SAULNIER. 3 points. Prerequisite, Course 1-2. M., W. and F. at 2.

27 — *Economic analysis and economic problems.* The structure of neo-classical economic theory as a set of devices for analyzing economic problems. A detailed study of problems concerning the nature of the price system, factors affecting the profitability of business enterprises, and the distribution of the national income. Professor SAULNIER. 3 points. Prerequisite, Course 1-2. M., W. and F. at 11.

28 — *Comparative economic theory.* Thorstein Veblen's theory of the relations between changing technological conditions and the institutions of business enterprise; the Marxian theory of economic development and the decline of capitalist institutions. Comparisons between these theories of our economic world and conventional economic thought. Professor SAULNIER. 3 points. Prerequisite, Course 1-2, and preferably also Course 27. M., W. and F. at 11.

29 — *Statistical research.* Special problems in social science selected with reference to the interest of the individual student. The emphasis is on the application of methods in actual statistical investigation, in the field when practicable, rather than on acquisition of further theory or technic. Dr. ELIOT. 3 points. Prerequisite, Course 17 and the written permission of the instructor. Hours to be arranged.

[41, 42 — *Readings in economics.* An introduction to a broad range of current literature bearing mainly on economic but necessarily also on associated social and political issues. The subject matter will be primarily of a non-technical character, selected so far as possible to meet the special interests of the students. Professor SAULNIER. 6 points. Open to juniors and seniors who have had Course 1-2. Not given in 1942-43.]

51, 52 — *Seminar: Problems in the concentration of economic power.* The decline of competition and the rise of the "managerial revolution." Following study and group discussion of the general nature and significance of these changes in the peace and in the war economy of the United States, students will write papers on special phases of this subject, such as corporate and finance management, production management, market management, labor and personnel management, governmental management. Professor BAKER. 6 points. Open only on written permission of the instructor. W., 4-6 or hours to be arranged.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

**Economics 101-102 — Public finance. Professor HAIG. 6 points.*

**Economics 1114 — Fiscal policy. Professor SHOUP. 3 points.*

**Economics 161 — The regulation of public utilities. Professor BONBRIGHT. 3 points.*

SOCIOLOGY

WILLARD WALLER, Ph.D., Associate Professor of Sociology, *Executive officer.*

MIRRA KOMAROVSKY, Ph.D., Instructor in Sociology.

CORA KASIUUS, Lecturer in Sociology.

1-2 — *Introduction to sociology.* The elements of the social structure, customs, institutions and associations; group interests and group formations; the family; the fabric of modern large-scale organization; the adjustment of society to environment; the more recent evolution of the social structure. Full-year course. Professor WALLER and Dr. KOMAROVSKY. 6 points. Open to all excepting freshmen. M. and W. at 11 and sections at one of the following hours: F. at 10 or at 11.

7, 8 — *Human nature and the social order.* Communication and the social self; social backgrounds of personality; the behavior of crowds and publics; propaganda, its uses and limitations; the analysis of selected social institutions of the modern city on the basis of concepts of human nature previously elaborated. Professor WALLER. 6 points. Prerequisite, Course 1-2. Course 7 is prerequisite for Course 8. M., W. and F. at 2.

21, 22 — *An introduction to the field of social work.* A description of types of social work found in present-day practice and an interpretation of main underlying principles; social work organizations and the various methods employed in meeting social problems. Miss KASIUUS. 4 points. Open to juniors and seniors. Course 21 is prerequisite for Course 22. Th., 1-3.

31, 32 — *The family.* The family in primitive and historic society; the Industrial Revolution and the evolution of the modern family; dominant trends of change in forms and functions of the modern family; comparative analysis of the family trends in several European countries; urban-rural comparison; problems of the modern family; family reorganization; current research in problems of marriage and divorce; probable direction of future change. Dr. KOMAROVSKY. 4 or 6 points. Prerequisite, Course 1-2. Course 31 is prerequisite for Course 32. Tu., 2-4.

41, 42 — *Socio-economic trends and problems*. The interrelations of changing economic and social organization and social habits as affected by scientific discoveries and inventions. Among the subjects to be discussed are population trends and problems, shifts in social and economic stratification, urbanization and the problems of the community in wartime. Dr. KOMAROVSKY. 4 points. Prerequisite, Course 1-2 or Economics 1-2. Course 41 is prerequisite for Course 42 except by written permission of the instructor. This course may count toward a major in economics. Th., 3-5.

97, 98 — *Sociology seminar*. Professor WALLER and Dr. KOMAROVSKY. 4 or 6 points. Open only to seniors on written permission of the instructors. Hours and subject to be arranged.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

*Government 171, 172 — *Modern ideas of the state*. Professor MACIVER. 6 points.

*Sociology 104 — *Contemporary American sociology*. Professor WALLER. 3 points.

EDUCATION

Courses in education will not satisfy the 14-point requirement in any group.

Note. Barnard College students will not be allowed to take, in any one year, more than six points in the education courses listed below.

†51ES-52ES — *Education seminar for juniors*. An introduction for liberal arts students to the problems of education as a profession, aiming to give prospective teachers an understanding of important elements in good teaching, namely, the major fields of organized knowledge, various educational points of view and their historical development in America, the important characteristics of children and adolescents as they grow and develop, and the wider culture as it affects education. As the year progresses, increasing attention will be given to observations of child development and school situations. Full-year course. Professors BUTTS and DRISCOLL, Dr. LINDEN and special lecturers. 6 points. M., 2-4, and W. at 2. 303 Dodge.

†53ES-54ES — *Education seminar for seniors*. A continuation of the professional orientation started in the preceding course, with special attention to: the psychological bases of the learning process; the psychology of learning as applied to various subjects; the technics and materials of good instruction; curriculum trends; organizational problems and community relationships affecting secondary school teachers. During the year students will have increasing opportunities to gain, at first hand, an understanding of the problems of teaching

through demonstrations, observation and participation in classroom situations. Full-year course. Professors WOODRING and SYMONDS, Dr. LINDEN and special lecturers to be announced. 6 points. Prerequisite, Course 51ES-52ES or the equivalent. Tu. at 2, and Th., 2-4. 221 Teachers College.

Other courses offered at Teachers College are open under certain conditions to specially qualified seniors upon consent of the Committee on Instruction of Barnard College and the instructor in Teachers College. These courses include methods of teaching elementary and high-school subjects, including observation and participation. For further information the students should consult the Associate Dean of Barnard College.

ENGLISH

WILLIAM T. BREWSTER, A.M., Litt.D., Professor of English.

WILLIAM HALLER, Ph.D., Professor of English.

*MARJORIE HOPE NICOLSON, Ph.D., Litt.D., L.H.D., LL.D., Professor of English.

ETHEL M. THORNBURY, Ph.D., Visiting Associate Professor of English.

W. CABELL GREET, Ph.D., Associate Professor of English.

MINOR W. LATHAM, Ph.D., Associate Professor of English, *Executive officer*.

CLARE M. HOWARD, Ph.D., Assistant Professor of English.

ETHEL STURTEVANT, A.M., Assistant Professor of English.

ELIZABETH REYNARD, B.Litt. (Oxon.), Assistant Professor of English.

MARY MORRIS SEALS, Instructor in English.

GEORGIANA C. REMER, B.A. Hons. (Oxon.), Instructor in English.

DAVID A. ROBERTSON, Jr., Ph.D., Instructor in English.

GERTRUDE C. K. LEIGHTON, A.B., Lecturer in English.

ANNIS SANDVOS, A.M., Lecturer in English.

LORNA F. MCGUIRE, Ph.D., Associate in English.

A major in English. — Students majoring in English will be required to take in English — A, B or C as follows:

A. *Language and literature* — A major examination in three parts: (I) History of the English language, including a reading knowledge of Anglo-Saxon or Middle English, and English medieval literature; (II) English literature before 1700 with special reference to Shakespeare and Milton; (III) English and American literature since 1700.

B. *Writing* — One part of the major examination described above and eighteen points in composition passed with an average of B; in addition, special knowledge of a particular field. Each student in consultation with her adviser should choose the field in which she expects to be examined. The field must not be too narrowly defined. The candidate must be able to write an essay in correct and effective English on an assigned topic of considerable scope.

* Officer of Columbia University offering a course specially recommended to qualified Barnard students.

C. Speech — Part II or Part III of the major examination specified above with special emphasis on Drama, Part IV, an examination in the History of the Language including translation of Old or Middle English, and in phonetics and the mechanics of voice, and twenty-seven points of work in Speech passed with an average of B.

The major examinations must be passed with a grade of at least C.

Other fields — Related courses in other departments. A reading knowledge of at least two foreign languages, one of which should be modern.

See also *American Studies*, page 56, *Medieval Studies*, page 56, *Renaissance Studies*, page 58 and *Comparative Literature*, page 65.

WRITING

A — Experiments in writing. Practice in composition and discussion, reading of literature, contemporary and classical, with conferences to meet the need of the individual student. Designed to build up the power of expression and ability in the accurate and skillful presentation of ideas. Professors BREWSTER, HALLER and THORNBURY, Dr. McGUIRE, Miss REMER and Dr. ROBERTSON. 6 points. Prescribed for freshmen, and prerequisite for any other course except Courses 21-22, 39-40 and 45-46 which are recommended to be taken parallel to Course A. Students not thoroughly accustomed to the use of English should consult Miss REMER before registering for Course A. M., W. and F. at 10 (Ia, b, c), at 1 (IIa), at 2 (IIIa); M. at 10 and Tu. and Th. at 11 (IVa); Tu., Th. and S. at 10 (Va), at 11 (VIa).

ADVANCED WRITING

Prerequisite, Course A. Students electing any course in composition must secure the written permission of the instructor in charge.

1, 2 — *Structure and style.* A course designed for students who need additional training in writing. Organization of material, study of words, reading of various kinds of prose, writing essays, critical and expository. Professor THORNBURY. 6 points. Tu. and Th. at 10 and a third hour to be arranged.

3 — *Creative writing.* Daily themes, descriptive and narrative, for students who are planning to major in English Composition. Experiments in verse-writing. Study of the technic of the short story and the novel, and of modern poetry. Professor HOWARD. 3 points. Tu. and Th. at 10 and a third hour to be arranged.

11, 12 — *Story-writing.* This course is in effect rather a writer's group than a course. It is aimed to provide for interested and gifted students an opportunity to practice the art of writing and to profit by the criticism of an audience trained and similarly minded. It is clinical in its method, and the subject matter is adjusted to the capacities and requirements of the individuals within the group. While emphasis is usually upon the philosophy and technic of fiction, other forms of current professional writing are considered whenever students so desire. Professor STURTEVANT. 6 points. Courses recommended as parallels: English 55, 56; English 69, 70; Philosophy 45, 46. Tu., 4-5:50 and a third hour to be arranged.

15, 16 — *Playwriting*. The primary intention is not to train playwrights, but to give an insight into drama as a mode of expression. Critical study of plays in text and in production on the New York stage. Improvization, dramatization, writing of original sketches, pantomimes and plays. Stage trial of all work by members of the class. Professor LATHAM. 4 or 8 points. M. at 3 and W., 3-5.

SPEECH

Courses 39-40, 21-22, 23-24, 25-26, 27; 15, 16 (4 points) are required for English Majors specializing in Speech. Courses 57, 58 and 59, 60 are recommended.

D1-D2 — *Speech*. This required course gives the student an opportunity to discover the importance of effective speech and of voice production. Each student will examine a recording of her own voice and confer concerning her individual needs and the means of effecting improvement. Professor GREET, Mrs. SEALS, and Miss SANDVOS. No points credit. Prescribed for all new students. Two lectures at the beginning of the winter session and two conferences (including recordings), one each session.

21-22 — *Voice and diction*. A basic course in the fundamentals of speech and voice production designed to aid each student in acquiring clear speech, a pleasing voice, reasonable self-assurance, and the ability to make herself understood at all times. Winter session: Voice exercises, phonograph and dictaphone recordings, phonetic drills. Spring session: Principles of reading aloud, with special reference to phrasing and inflection. Full-year course. Mrs. SEALS and Miss SANDVOS. 4 points. Open to all students. M., W. and F. at 11 (I), at 1 (II).

23-24 — *Oral interpretation of literature*. The study and oral presentation of different types of English literature. Winter session: ballads, lyrics, dramatic verse and prose. Spring session: practical experience in story-telling, in choral reading, and in radio work. Mrs. SEALS. 4 points. Prerequisite, Course 21-22. Tu. at 2 and Th., 2-4.

25-26 — *Speech correction*. The study of specific speech problems resulting from psychological and physiological causes. Practical experience will be afforded in clinical work. Full-year course. Mrs. SEALS, Dr. ALSOP, Professors GREGORY and LOWTHER. 6 points. Open to juniors and seniors on written permission of the instructor. Tu. and Th. at 9 and a laboratory hour to be arranged.

27 — *Public speaking*. Constant practical experience of problems in argumentation, debate and discussion. Delivery of prepared and extemporaneous speeches. Analysis of important speeches. Parliamentary procedure. ————. 3 points. Open to sophomores, juniors and seniors. Tu. and Th. at 10 and a third hour to be arranged.

39-40 — *History of the English language*. Professor GREET. 6 points. See page 77.

15, 16 — *Playwriting*. Professor LATHAM. 4 points. See page 76.

Wigs and Cues, the college dramatic club offers the students in speech practical training and experience in speech, acting and directing.

CURC offers to those students interested in radio announcing and acting opportunity for experience in these special fields.

LITERATURE

Course A is prerequisite for all courses except 39-40 and 45-46.

39-40 — *History of the English language.* The genesis of American English. The history of words, pronunciation and structure. The class will read important documents in Anglo-Saxon and Middle English, and study our present-day language in the light of the great traditions and of linguistic science. Professor GREET. 6 points. M., W. and F. at 11.

[45-46 — *Anglo-Saxon, including the "Beowulf."* A linguistic and literary study of Anglo-Saxon. Winter session: Source materials of early English history; the battle poems of Brunanburh and Maldon; Old English lyrics. Spring session: *Beowulf*. Full-year course. Professor GREET. 4 or 6 points. *Not given in 1942-43.*]

49, 50 — *Medieval fiction.* Comparative study, in translation, of the masterpieces of Western Europe from the beginnings through the thirteenth century. Winter session: The literature of Iceland, Irish medieval literature, English literature of the Anglo-Saxon period, the *Nibelungenlied*, the *Song of Roland*. Spring session: The romances of King Arthur; Tristan; the Grail; *The Romance of the Rose*; the short tale in verse and prose; the lives of the saints; the cycle of Reynard the Fox. Professor STURTEVANT. 4 or 6 points. English 53-54; Fine arts 51, 52; French 7; German 51; History 17, 18; Philosophy 145-146, Comparative Literature 9-10 are recommended as parallel courses. Tu. and Th. at 11 and a conference hour to be arranged.

53-54 — *Chaucer and his times.* The language and the literature of England in the later Middle Ages and early Renaissance. Winter session: Chaucer's *Canterbury Tales* and *Troilus and Criseyde*. Spring session: *Pearl*, *Piers the Plowman* and other poems of the fourteenth and fifteenth centuries. Full-year course. Professor GREET. 6 points. Course 49, 50 is recommended as a parallel course. M., W. and F. at 9.

55, 56 — *Literary criticism.* The chief critical essays and treatises from about 1550 to 1900 including Sidney, Dryden, Pope, Johnson, Coleridge, Arnold and other important critics. Students will also be asked to do some writing of an analytic, critical and original kind. Professor BREWSTER. 6 points. Tu and Th. at 3.

[57, 58 — *Development of English drama.* The development of English drama from its origins to the eighteenth century. Miracle plays, moralities, interludes, Early English comedy, Senecan tragedies, Chronicle history plays, Marlowe, Shakespeare, Ben Jonson, Beaumont and Fletcher and the Restoration Drama. Professor LATHAM. 6 points. Course 57 is prerequisite for Course 58. *Not given in 1942-43.*]

59, 60 — *Modern English drama*. A study of the stage and the drama from the eighteenth century to the present. Ballad Operas; Bourgeois Tragedy and its influence on Continental drama; Sentimental Comedy; the Patent Theatres and the Actor Managers. Nineteenth-century drama; Ibsen; W. B. Yeats and the Irish school of playwrights; contemporary English and American playwrights. Professor LATHAM. 6 points. Course 59 is prerequisite for Course 60. M., W. and F. at 10.

61-62 — *Shakespeare*. All the plays and the poems are read, though only the more important in class, as an introduction to the meaning, scope and greatness of the poet as expressed in structure, language, style and versification. Winter session: Early comedies and histories. Spring session: Tragedies and later comedies. Full-year course. Professor BREWSTER. 6 points. Tu. and Th. at 10.

63 — *English literature of the Renaissance*. Sir Thomas More and the English Humanists; Court Poets of Henry VIII; the University Wits; Elizabethan Prose. Professor HOWARD. 6 points. Tu. and Th. at 2 and at a third hour to be arranged.

[65, 66 — *English poetry from Spenser to Dryden*. Spenser, the poetry of the Renaissance, Donne; Puritanism, the English Bible and Milton; Dryden and the beginnings of Classicism. Professor HALLER. 6 points. *Not given in 1942-43.*]

69, 70 — *The novel*. The novel as an art form in process of development and as a document of social change. Winter session: A comparative study of the contemporary novel in England, the United States and the continent of Europe. Spring session: The novel in English in the eighteenth and nineteenth centuries, with some considerations of contemporaneous Russian masterpieces. Professor STURTEVANT. 6 points. Tu. and Th. at 10 and a third hour to be arranged.

71, 72 — *English literature from Blake to Byron*. The poetry and poetic theories of Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. The prose of Scott, Lamb, Hazlitt and DeQuincey. Professor HALLER. 6 points. Course 71 is prerequisite for Course 72. M., W. and F. at 11.

73 — *English literature from Carlyle to Pater*. Ruskin, Arnold and critics of the Industrial Revolution; Tennyson, Browning and the advance of science; the Pre-Raphaelites; Art for Art's Sake; Swinburne and French influence upon the *fin du siècle*. Professor HOWARD. 2 or 3 points. M. and W. at 11 (2 points); additional hour for discussion, F. at 11 (3 points).

77-78 — *American literature*. A study of American literary and cultural development from the colonial period to the present with special emphasis on certain great figures: Cooper, Melville, Longfellow, Emerson, Thoreau, Poe, Whitman, James, Howells, Clemens. Some material on inter-American literary parallels. Full-year course. Professor THORNBURY. 6 points. Tu. and Th. at 11 and a conference hour to be arranged.

COMPARATIVE LITERATURE 9, 10 — *Medieval and Renaissance culture, as exemplified by literary documents, Italian and Latin.* Full-year course. Professors BIGONGIARI and PREZZOLINI, Dr. KRISTELLER and Miss CARBONARA. 6 points. Recommended for English majors. See *Comparative literature* 9, 10 (page 65).

91, 92 — *Special reading.* Under the immediate guidance of the instructor, the student will choose and discuss with a small group reading of her own choice, with a view to enriching her knowledge of English literature. Professor LATHAM, Miss REMER, and Dr. McGUIRE. 4 points. Recommended for major students especially in the junior year; not open to other students; may be taken two years in succession. Registration in each section is limited. Students who elect this course in the junior year and change their major later will receive only half credit (1 point a session). Tu., 3-5 (I), W., 3-5 (II), F., 2-4 (III).

Graduate course

*213-214 — *English literature of the eighteenth century.* The principal authors from Dryden to the end of the eighteenth century, studied in relation to the thought of the period; analysis of the changing patterns in critical and esthetic theory and practice; interrelationship between literature and other arts. Professor NICOLSON. 6 points. Open by special arrangement for this year to specially qualified juniors and seniors. Tu. and Th. at 2 and a third hour for Barnard students to be arranged. 309 Business.

FINE ARTS AND ARCHAEOLOGY

*MARGARETE BIEBER, Ph.D., Associate Professor of Fine Arts and Archaeology.

MARION LAWRENCE, Ph.D., Assistant Professor of Fine Arts, *Executive officer.*

MARIANNA BYRAM, A.M., Instructor in Fine Arts.

JANE GASTON, A.M., Lecturer in Fine Arts.

JULIUS HELD, Ph.D., Lecturer in Fine Arts.

A major in fine arts. — Students majoring in fine arts will be required to take in

Fine arts — Courses 41, 51, 52, 62, 65, 66, 75, 76, 97, 98 and other courses to be arranged in consultation with the department.

Other fields — A reading knowledge of French, German or Italian. Students planning to do graduate work must have German and one other modern language. Courses in history, literature, languages, philosophy or other fields which will vary with the special interest of the student and must be arranged in consultation with the major department.

* Officer of Columbia University giving instruction in Barnard College.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in fine arts will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. This examination will consist of three parts: (I) an examination with slides or photographs to test the candidate's ability to recognize and analyze stylistic and iconographic elements; (II) a general examination on fundamental problems of style, evolution and cultural relationships in art; (III) a detailed examination on *one* of the following fields to be chosen by the student: (a) ancient art, or (b) medieval art, or (c) Renaissance art to c. 1600, or (d) modern art, c. 1600 to the present, or (e) oriental art.

See also *Medieval Studies* and *Renaissance Studies*, pages 56 and 58.

FINE ARTS

1-2 — *Introduction to the study of fine arts.* A general study of esthetic problems as preparation for a more detailed study of the fine arts. This will include a discussion of the major problems of artistic expression and their solution in the fields of architecture, sculpture and painting followed by a consideration of the relation of art forms to certain great periods of European culture. Full-year course. Miss GASTON. 4 points. Intended primarily for freshmen and sophomores but open to juniors and seniors on written permission of the department. Tu. and Th. at 10.

41 — *Ancient art.* An introductory study of the art of Egypt, Mesopotamia, Persia, Greece and Rome. Professor LAWRENCE. 3 points. Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. M., W. and F. at 10 and hours to be arranged for conferences and visits to the Metropolitan Museum of Art.

[46 — *Roman art.* Introduction to the origin and development of Roman art, covering in some detail architecture and Pompeian wall-painting with special emphasis on sculpture, historical relief and portraiture. Professor BIEBER. 3 points. Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. *Not given in 1942-43.*]

51, 52 — *Medieval art.* An introductory study of the origin and development of Christian art in Europe through the early Christian, Byzantine, Carolingian, Romanesque and Gothic periods. Professor LAWRENCE. 6 points. Open to juniors and seniors. History 17, 18 is recommended as a parallel course. Course 51 is prerequisite for Course 52. Tu. and Th. at 2 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art.

62 — *Italian Renaissance sculpture.* The historical development of Italian sculpture from the late medieval period through Bernini. Special attention will be given to the genius of the Renaissance as expressed in the work of Donatello and Michelangelo. Professor LAWRENCE. 3 points. Open to juniors and seniors and to sophomores who have had Course 65. Tu. and Th. at 10 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art.

65 — *Italian Renaissance painting.* The stylistic and iconographic development of Italian painting from the thirteenth to the sixteenth century; detailed study of Giotto, Masaccio, Leonardo, Raphael and Michelangelo. Dr. HELD. 3 points. Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art.

66 — *Renaissance painting in northern Europe.* The history and development of painting in the Flemish, Dutch, French and German schools from the end of the Gothic period through the sixteenth century. Dr. HELD. 3 points. Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art.

67 — *Prints and drawings.* The history and technic of the graphic arts and drawing as illustrated in the work of the principal artists from the beginning of the fifteenth century to modern times. Miss BYRAM. 4 points. Open to qualified students on written permission of the department. M., W. and F. at 10 (I), at 11 (II) in 511 Schermerhorn and F. at 3:30 at the Metropolitan Museum of Art.

75, 76 — *European painting since the Renaissance.* The development of painting in Europe from the sixteenth century to the present with emphasis on those trends which are most significant in the evolution of modern painting. Architecture and sculpture will be introduced to the extent to which a knowledge of these fields contributes toward the understanding of painting. Dr. HELD. 6 points. Open to all excepting freshmen. Course 75 is prerequisite for Course 76. M. and W. at 2 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art.

90 — *A general survey of oriental art.* An introductory study of the arts of Persia, India, China, Japan and the Central Asiatic region, with particular emphasis on political history, philosophy and religion as they affect the arts, and an investigation of the contact between the west and the east. Miss GASTON. 3 points. Open to all excepting freshmen. M. and W. at 10 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art.

97, 98 — *Seminar for majors.* Special work planned in each case to supplement and coördinate the student's other courses in fine arts and to provide an opportunity for the study of basic principles as well as specific problems in a chosen field. Professor LAWRENCE and other members of the department. 6 points. Required for senior majors and not open to other students. W. at 3 and other hours to be arranged.

For courses on Art of primitive man, see Anthropology 108, page 60; Greek arts and crafts, see Archaeology 64, page 94; Esthetics, see Philosophy 41-42, 45, 46, 145-146, pages 114-115.

Studio work

Note. Studio courses can count toward the degree only if taken parallel to a

theoretical or historical course in fine arts.

DRAWING AND PAINTING

*u11-u12 — *Design, drawing and painting.* Ability in drawing, design and painting is developed under personal supervision as a preparation for the study of fine arts or architecture, or for further experience in painting, sculpture or commercial art. Students are guided to observe, analyze and create, using various materials for expression, such as pencil, ink, pastel and water color. The course will include analytical discussions of elementary design, still-life drawing, life drawing, creative design and outdoor sketching. Full-year course. Mr. FABRY. 4 points (see note above). Course u11 is prerequisite for Course u12, except on written permission of the instructor. Special fee, \$25 each session. Tu. and Th., 2-4. 506 Avery.

Other studio courses given at Columbia University may be taken by written permission of the department. These are described in the Announcement of the Department of Fine Arts, Archaeology and Music.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Fine Arts, Archaeology and Music. The following are specially recommended as suitable for Barnard seniors:

*Archaeology 100 — *Introduction to ancient archaeology.* Professor DINS-MOOR. 3 points.

*Archaeology 154 — *Athenian historical monuments.* Professor DINS-MOOR. 3 points.

*Fine arts 143 — *Greek painting.* Professor BIEBER. 3 points.

*Fine arts 144 — *Hellenistic and Roman painting.* Professor BIEBER. 3 points.

*Fine arts 146 — *Roman art.* Professor SWIFT. 3 points.

*Fine arts 148C — *Hellenistic sculpture.* Professor BIEBER. 3 points.

*Fine arts 155 — *Romanesque sculpture.* Professor SCHAPIRO. 3 points.

*Fine arts 156 — *Romanesque art in Italy.* Professor LAWRENCE. 3 points.

*Fine arts 161 — *Architecture of the Renaissance.* Professor SWIFT. 3 points.

*Fine arts 163 — *Florentine painting of the early Renaissance.* Professor MEISS. 3 points.

*Fine arts 164 — *Italian painting of the early Renaissance outside Florence.* Professor MEISS. 3 points.

*Fine arts 169 — *Dutch and Flemish painting of the seventeenth century.* Dr. HELD. 3 points.

*Fine arts 172 — *Modern architecture.* Professor SWIFT. 3 points.

**Fine arts 176 — Modern painting and sculpture.* Professor SCHAPIRO. 3 points.

**Fine arts 191, 192 — The art of Asia (middle and far east).* Mr. POPE and Miss GASTON. 6 points.

FRENCH

FRÉDÉRIC G. HOFFHERR, BèsL., Associate Professor of French, *Executive officer.*

MARGUERITE MESPOULET, Agrégée de l'Université, Associate Professor of French.

ALMA DE L. LEDUC, Ph.D., Assistant Professor of French.

*JEANNE V. VARNEY, D. d'Univ., Assistant Professor of French.

ISABELLE DE WYZEWA, Ph. D., Lecturer in French.

WINIFRED STURDEVANT, Ph.D., Lecturer in French.

HELEN M. BAILEY, A.M., Lecturer in French.

ANDRÉ MESNARD, A.M., Lecturer in French.

A major in French. — Unless they receive special permission from the department, students majoring in French will be required to take in

French — Courses 7, 8 (8 points), 11, 12, 15, 16, 21-22 and other courses to be arranged in consultation with the department. Only two courses in the intermediate group may be counted in the major. The introductory language courses, 1-2, 3, 4, 3R, cannot so count.

Other fields — Courses which will vary with the special interest of the student and should be arranged in consultation with the major department.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in French will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. Information concerning this examination will be available on application to the department.

See also *The foundations of language*, page 65, and *Medieval Studies* and *Renaissance Studies*, pages 56 and 58.

Introductory courses

1-2 — *Introductory full-year course.* Grammar, reading, conversation. Mr. MESNARD. 6 points. M., W. and F. at 9.

3, 4 — *Intermediate course.* Review of grammar and syntax. Translation from and into English. Free composition. Mrs. BAILEY and Mr. MESNARD. 6 points. Prerequisite, Course 1-2 or two years of high-school French. M., W. and F. at 2 (I); Tu., Th. and S. at 9 (II).

3R — *Intermediate course. Part II.* The equivalent of Course 4. Mrs. BAILEY. 3 points. Prerequisite, Course 3 or three years of high-school French. M., W. and F. at 1 (I) and (II).

* Officer of Columbia University giving instruction in Barnard College.

Intermediate courses

5, 6 — *Conversation and composition based on readings in French literature, with occasional practice in translation.* A study based on novels, plays, verse, etc., of the nineteenth and twentieth centuries. Discussion in French of texts read. Free composition and reports based on readings. Dr. DE WYZEWA, Mrs. BAILEY and Mr. MESNARD. 6 points. Prerequisite, Course 3, 4 or three years of high-school French. M., W. and F. at 9 (I), at 11 (II).

6R — *Conversation and composition based on readings in French literature, with occasional practice in translation. Part I.* The equivalent of Course 5. Mr. MESNARD. 3 points. Prerequisite, Course 4 or 3R. M., W. and F. at 1.

5x, 6x — *Practical course in sight reading and prepared translation.* Intended for students wishing to acquire ease and accuracy in reading historical, philosophical and scientific French, as well as literary prose and verse. Professor LEDUC, Drs. DE WYZEWA and STURDEVANT and Mrs. BAILEY. 6 points. Prerequisite, Course 3, 4 or three years of high-school French. M., W. and F. at 9 (I), at 10 (II), at 11 (III), at 1 (IV).

6xR — *Practical course in sight reading and prepared translation. Part I.* The equivalent of Course 5x. Dr. STURDEVANT. 3 points. Prerequisite, Course 4 or 3R. M., W. and F. at 1.

7, 8 — *Masterpieces of literature from the medieval period to the twentieth century.* Lectures in French on the history of French literature, recitations, free composition and reports on outside reading. Drs. DE WYZEWA and STURDEVANT. Prerequisite, a grade of at least B in Course 4 and the written permission of the department or a high rating in three years of high-school French. 4 points: Lecture only, Th. at 1 and outside reading consisting of the assignments given in the 8-point divisions. Open to properly qualified juniors and seniors. Cannot count toward the major. Or 6 points: Class meetings only, M., W. and F. at 10 (III), with modified requirements in reading and composition. Students who may subsequently wish to count the 6 points toward a French major may do so by additional work equivalent to 2 extra points. Or 8 points: Lecture, Th. at 1 and class meetings, M., W. and F. at 9 (I), at 10 (II). This course is required of students majoring in French and may be counted toward the major.

9, 10 — *Review of grammar and composition.* Intended primarily for those registered in literature courses who desire a rapid review of grammar and syntax. Mr. MESNARD. 4 points. Open to students of all classes on written permission of the instructor. Limited to 10 students. Tu. and Th. at 10.

*Language courses*¹

11, 12 — *Practice and theory of French phonetics.* Study of French articulation and intonation, general phenomena covering the spoken language, recitation and reading aloud. Phonograph records of the pronunciation of each student will be made from time to time for the purpose of correcting or testing individual progress. Professor VARNEY. 6 points. Open to students only on written permission of the instructor. Limited to 20 students. M., W. and F. at 1.

[13-14 — *The regional French novel.* A study of the life and art of several French provinces based on recent novels. Full-year course. Professor MESPOULET. 4 or 6 points. Open to juniors, seniors and qualified sophomores on written permission of the instructor. Limited to 15 students. *Not given in 1942-43.*]

[15, 16 — *Advanced composition.* Translation from and into French; written reports on outside reading; short themes; "explication de textes." Professor LEDUC. 6 points. Specially intended for juniors majoring in French, who have the written permission of the instructor. Limited to 20 students. *Not given in 1942-1943.*]

17, 18 — *Translation. French-English and English-French.* Texts will be chosen to illustrate various epochs and diversity of style and subject. Professor MESPOULET. 6 points. Open only on written permission of the instructor. M. and W. at 9.

*Literature courses*¹

Students are reminded that the ability to use French both in speaking and in writing is considered a general requirement for all literature courses.

Course 7, 8 is prerequisite for all literature courses.

21-22 — *French literature in the seventeenth century.* A study of the most significant works of the principal writers of the classical period from 1600 to 1715. Full-year course. Professor HOFFHERR. 6 or 8 points. M., W. and F. at 10.

23-24 — *French literature in the nineteenth century; the romantic period.* A study of representative works of the poetry of the romantic movement. Full-year course. Professor MESPOULET. 6 or 8 points. Open to juniors and seniors on written permission of the instructor. M., W. and F. at 10.

25, 26 — *History of the French novel.* A study of the development of the novel in France from its origins to the end of the nineteenth century. Professor LE DUC. 6 points. Tu. and Th. at 10 and a third hour to be arranged.

27, 28 — *History of the French drama.* General survey of the development of the French drama from its origin to the present time; the most representative plays of the different periods. Professor HOFFHERR. 4 or 6 points. M. and W. at 11.

¹ All courses are conducted entirely in French.

31, 32 — *The Renaissance in France*. Readings illustrative of humanism, neo-platonism and the "new learning" in science and the arts. A study of the international aspects of intellectual life during the Renaissance. Professor LEDUC. 6 points. Open to juniors and seniors. Tu. and Th. at 11 and a third hour to be arranged.

[33, 34 — *History of French civilization*. General survey of the development of French civilization from the Roman conquest to the revolution; the political, artistic, literary and scientific activities of the French people in the formation of their national life and their contribution to human progress. Professor HOFFHERR. 4 or 6 points. Open to juniors, seniors and qualified sophomores and to freshmen on written permission of the instructor. *Not given in 1942-1943.*]

34a — *History of French civilization from the revolution to modern times*. The political, artistic, literary and scientific activities of the French people in the formation of their national life and their contribution to human progress. Mr. MESNARD. 2 points. Prerequisite, Course 33, 34 or the equivalent. Tu. and Th. at 11.

35, 36 — *French literature in the eighteenth century*. The chief essayists, novelists and dramatists of the period in their most significant works and letters. Dr. DE WYZEWA. 6 points. Prerequisite, Course 21-22 or the written permission of the department. M., W. and F. at 1.

125-126 — *Contemporary French literature*. Novels, essays, letters that express the most important tendencies and aspirations of recent French prose; and verse that marks the evolution of French lyric poetry from the end of the Parnasse to our own day. The program for the year 1942-43 will cover the period from 1895 to 1930. Full-year course. Professor MESPOULET. 6 or 8 points. Open to qualified seniors on written permission of the instructor. W. and F. at 11, and a conference for undergraduates, M. at 11.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures.

GEOLOGY AND GEOGRAPHY

FLORRIE HOLZWASSER, Ph.D., Assistant Professor of Geology.

HENRY S. SHARP, Ph.D., Assistant Professor of Geology, *Executive officer*.

A major in geology. — Students majoring in geology may count *Geography* 1-2 towards the 28 points required in their major field. Advanced courses in geology, and courses in related fields of science must be arranged in consultation with the major department and will vary somewhat in accordance with the interest and purpose of the student. Majors in geology will be urged to take a well-balanced program in the humanities, and to make every effort to take one or more field courses such as *Geology* 14, or *Geology* 5179 — *Geology of the Rocky Mountains* — offered in Wyoming each summer by Columbia University.

A major in geography — Students majoring in geography are required to take *Geography* 1, 2, 10, and *Geology* 1, 2, 27, 28; other courses in these subjects and in such important related fields as anthropology, economics and history are to be selected after consultation with the major department and will vary somewhat in accordance with the interests and purpose of the student.

GEOGRAPHY

1-2 — *Economic geography*. Consideration of man's geographic background — weather, climate, oceans and landforms; his adaptation to this background and his utilization of natural resources; study of maps and map projections. Intended to be of use to students of history, economics and sociology, and of earth sciences. Professor HOLZWASSER. 6 points in Group II or III. Tu. and Th. at 9 and Th. at 1.

10 — *Meteorology*. The fundamentals of modern meteorology: the atmosphere, its composition, height and properties; temperature, pressure, humidity and related weather elements; atmospheric circulation. Special emphasis upon problems and regions of present importance. Professor HOLZWASSER. 3 points. M., W. and F. at 10.

GEOLOGY

1-2 — *General geology*. This course is planned to acquaint students with the earth as the most important factor in their environment. Winter session: The composition and structure of the earth, the internal and external forces acting upon it and the landforms resulting. Spring session: The history of the earth and of life upon it from the beginning to the present. Elementary full-year course. Professor SHARP and Miss BELL. 8 points. Lectures: Tu. and Th. at 11. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4. In addition to local field trips during the regular laboratory periods, there is one voluntary Saturday field trip in the fall, and one required two-day week-end field trip in the spring.

3 — *The geologic and geographic development of South America*. A study of the position, climate, relief, geology and natural resources of the continent and its constituent countries with some consideration of the historical background. Professor HOLZWASSER. 3 points. M., W. and F. at 10.

[4 — *The geologic and geographic development of the United States*. A study of problems and regions selected to suit the interests and needs of the students. Professor HOLZWASSER. 3 points. *Not given in 1942-43.*]

[5, 6 — *Applied geology*. A study of the minerals of economic importance and of the application of geology to present-day industrial and commercial development. Winter session: ore deposits. Spring session: non-metallic minerals of commercial use. Professor HOLZWASSER. 4 points. Prerequisite, Courses 1-2 and 7 or the written permission of the instructor. Either half of this course may be taken separately. *Not given in 1942-43.*]

7 — *General mineralogy*. Study of the six crystal systems, and of the identification, properties, occurrences and uses of the more important minerals. One voluntary field trip. Of special interest to geology and chemistry majors and to students interested in the recognition of common minerals. Professor HOLZWASSER. 3 points. A knowledge of elementary chemistry is desirable but not required. Not open to freshmen. Tu. and Th. at 3 and laboratory (2 hours) to be arranged.

8 — *Optical mineralogy and petrology*. An introduction to the study of transparent minerals and rocks in thin sections in which the petrographic microscope will be constantly used. Professor HOLZWASSER. 3 points. Prerequisite, Course 7. Tu. and Th. at 3 and laboratory (2 hours) to be arranged.

14 — *Spring field course*. A reconnaissance survey of important geologic features of the northeast with detailed work in one or more localities. This course is intended to give students experience in the observation of geologic features in the field. Professors SHARP and HOLZWASSER. Ten days to two weeks in the field immediately after final examinations. 2 points for satisfactory completion of field work and notebook; 1 point additional credit for preparation of a report. Prerequisite, Course 1-2. Students must have departmental approval to take this course. Not given for less than 6 students. Registration must be made by May 1.

15-16 — *Paleontology*. The study of selected fossil specimens from all major geologic epochs and from most divisions of the plant and animal kingdoms. The principles of evolution and scientific nomenclature and the development of man's knowledge of plants and animals of the past. Professor HOLZWASSER. 6 points. Prerequisite, Course 1-2; no prerequisite for botany or zoölogy majors. Tu. and Th. at 11 and laboratory (2 hours) to be arranged.

[17-18 — *Glacial geology*. Full-year course. Professor SHARP. 4 points. Preceding or parallel, Course 1-2. *Not given in 1942-43.*]

19 — *Structural geology*. Lectures, laboratory and readings on the internal structure and forces of the earth. Among problems to be discussed are diastrophism, vulcanism, metamorphism, mountain-making, isostasy and earthquakes. One or more voluntary field trips. Professor SHARP. 3 points. Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 1.

Courses 19 and 27 are ordinarily given in alternate years.

[27 — *The origin of landforms*. Lectures, map study and readings on the principles of geomorphology. The origin and evolution of surface features of the earth as controlled by the interaction between geologic structures and erosional processes. One or more voluntary field trips. Professor SHARP. 3 points. Prerequisite, Course 1-2 or the equivalent. *Not given in 1942-43; to be given in 1943-44.*]

28 — *Geomorphic provinces of the United States*. Lectures, map study and readings on the 25 fundamental natural regions of the United States. One or more voluntary field trips. Professor SHARP. 3 points. Preceding, Course 1-2 or parallel, Course 2. Open on written permission of the instructor to students who have had Geography 1-2. Not open to freshmen. M., W. and F. at 1.

GERMANIC LANGUAGES AND LITERATURES

WILHELM ALFRED BRAUN, Ph.D., Professor of the Germanic Languages and Literatures, *Executive officer*.

HUGH WILEY PUCKETT, Ph.D., Associate Professor of German.

LOUISE G. STABENAU, A.M., Instructor in German.

A major in German. — Students majoring in German will be required to take in

German — Courses 9, 10, 45, 46, 51 and other courses to be arranged in consultation with the department.

Other fields — Courses will vary with the special interest of the student and must be arranged in consultation with the major department.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in German will be required to pass a major examination with a grade of at least C in addition to taking the courses mentioned above. Information regarding this examination will be available on application to the department.

See also *The foundations of language*, page 65, and *Medieval Studies*, page 56.

Introductory courses

1-2 — *Beginners' full-year course.* Elements of grammar, easy reading, written and oral practice. Mrs. STABENAU and ————. 6 points. M., W. and F. at 9 (I), at 1 (II); Tu. and Th. at 9 and F. at 2 (III).

3, 4 — *Intermediate course.* Rapid reading of texts, with practice in writing and speaking German. Mrs. STABENAU and ————. 6 points. Prerequisite for Course 3, Course 1-2 or two years of high-school German. Prerequisite for Course 4, Course 3 or three years of high-school German. M., W. and F. at 9 (I), at 11 (II).

3R — *Intermediate course. Part II.* The equivalent of Course 4, given for students who are not sufficiently advanced to take Course 5 or 7. Rapid reading of texts, with practice in writing and speaking German. Professor PUCKETT. 3 points. M., W. and F. at 1.

4a — *Advanced course.* Emphasis on speaking and writing the language. Reading of literary prose. Professor PUCKETT. 3 points. Prerequisite, Course 3R or 4 or the equivalent. M., W. and F. at 1.

Language and literature courses

5, 6 — *Lessing, Goethe and Schiller.* Although the course emphasizes literary appreciation rather than practice in the language, considerable opportunity is offered in the discussions for such practice. Professor BRAUN. 6 points. Prerequisite for Course 5, Course 3 and 4 or 3R, or a high grade in three years of high-school German. Prerequisite for Course 6, Course 5 or the written permission of the instructor. Course 5, 6 is recommended as preparation for more advanced courses in German literature. M., W. and F. at 11.

7, 8 — *Modern German prose*. Rapid reading of modern German historical, critical and scientific prose, assignments in German newspapers and journals. Structure and development of vocabulary. Especially helpful in giving a more fluent reading knowledge of German for use in other fields, such as science and history, and in preparing for the foreign language test in German. Professor PUCKETT. 6 points. Prerequisite for Course 7, Course 3*R* or 4, or the written permission of the instructor. Prerequisite for Course 8, Course 7, or the written permission of the instructor. M., W. and F. at 10.

9, 10 — *Practice course*. Conversation and written exercises. Mrs. STABENAU. 4 points. Prerequisite, Course 3 or a good grade in three years of high-school German. Tu. and Th. at 10.

[17 — *German lyric poetry*. Professor PUCKETT. 2 points. Prerequisite, Course 3, 4 or the equivalent. *Not given in 1942-43.*]

[25, 26 — *The drama of the nineteenth century*. Professor BRAUN and Mrs. STABENAU. 4 or 6 points. Prerequisite, Course 5, 6 or 7, 8 or the equivalent. *Not given in 1942-43.*]

27 — *Prose fiction of the nineteenth century*. Professor PUCKETT. 2 or 3 points. Prerequisite, Course 5, 6 or 7, 8 or the written permission of the instructor. Tu. and Th. at 9.

[28 — *The literature of the twentieth century*. Professor PUCKETT. 2 or 3 points. Prerequisite, Course 5, 6 or 7, 8 or the written permission of the instructor. *Not given in 1942-43.*]

30 — *German romanticism*. Professor PUCKETT. 2 or 3 points. Prerequisite, Course 5, 6 or 7, 8 or the written permission of the instructor. Tu. and Th. at 9.

45, 46 — *History of German literature from the earliest times to the nineteenth century*. Professor BRAUN. 6 points. Prerequisite, Course 5, 6 or 7, 8 or the equivalent. Tu. and Th. at 11.

51 — *The arts in German life*. Illustrated lectures in English on the development and correlation of German literature, music and art, with the necessary reference to history and philosophy. Reading of representative literary works, in German for students with a reading knowledge of the language, in English translation for others. Professor BRAUN. 3 points. Open to students of all classes. M., W. and F. at 9.

COMPARATIVE LITERATURE 4 — *Goethe in English, with special emphasis on "Faust."* Professor BRAUN. 3 points. Not open to German majors, to freshmen, nor to students who have had Course 6, or who are able to read *Faust* in German. M., W. and F. at 9. See page 65.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures.

GOVERNMENT

RAYMOND MOLEY, Ph.D., LL.D., Professor of Public Law.

THOMAS PRESTON PEARDON, Ph.D., Assistant Professor of Government, *Executive officer*.

JANE PERRY CLARK CAREY, Ph.D., Assistant Professor of Government.

ELSPETH V. DAVIES, Instructor in American Studies.

A major in government. — Students with a major in government will be required to take in

Government — Courses 1, 2, 3, 4, 61, 62 and beyond these a number of more advanced courses determined in each case in accordance with the field of interest of the student. Courses 1, 2 and 3, 4 must have been taken by the end of the junior year.

Because of the close relationship between the subject matter of history and that of government students majoring in government may, with the written permission of the adviser, offer as part of the required 28 points, 6 points in history including a choice of History 1-2, 3, 4, 9, 10, 11, 12, 23, 24, 25, 26, 35, 36, 37, 38 or 45, 46. When such courses are counted toward the major in government they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences — In view of the essential unity of the social sciences every student majoring in government is required to take courses amounting to 12 points distributed between two of the following departments as selected in conference with the adviser: Anthropology, economics, geography, history, philosophy, psychology, sociology.

A major in economics and government. — Students majoring in economics and government will be required to take:

Economics 1-2, 13 or 14, 17, 27. *Government* 1, 2, 3, 4, 25, 26, and at least one additional course in economics or in government.

Other social sciences — See requirement stated above.

Major examination — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in government or in economics and government will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. Information concerning this examination will be available on application to the department.

See also *American Studies*, page 56.

1, 2 — *An introduction to American public affairs.* A survey of contemporary American public problems, including the organization and functions of the federal government, the relation of the states to the nation, the leadership of the executive and the process of administration, law and legislation, the judicial system and the administration of justice, the party system and the problems of city government; the governmental regulation and protection of business and labor, the conservation of natural resources and the promotion of public welfare, health and education. Miss DAVIES. 6 points. Open to students of all classes. Course 1 is prerequisite for Course 2. M., W. and F. at 9.

3, 4 — *An introduction to comparative government.* An introduction to contemporary politics, especially as illustrated by the institutions, trends and problems of government in certain foreign countries: England, Germany, the U.S.S.R. and others. The functioning of democracy abroad; the soviet system; fascism and national socialism; other systems, movements and tendencies; the impact of the war on government. Professor PEARDON. 6 points. Open to all excepting freshmen. Course 3 is prerequisite for Course 4. M., W. and F. at 11.

[9, 10 — *The British Empire.* The transformation of the British Empire into a Commonwealth of Nations; government and politics in the self-governing Dominions; India and the Dependent Empire. Professor PEARDON. 6 points. Prerequisite, Course 3 or History 12. Course 9 is prerequisite for Course 10. *Not given in 1942-43.*]

11, 12 — *International relations.* An analysis of the setting and basic factors of contemporary world politics and a study of proposals for reconstructing a stable international order. Professor PEARDON. 6 points. Prerequisite, Course 3, 4 or History 1-2. Suggested parallel course: History 25, 26 or 37, 38. M., W. and F. at 1.

[23, 24 — *Government and social control.* Methods of social control by government with particular emphasis on the changing relationships of the legislative, executive and judicial branches of the government and of the parts played by the federal and state governments. The relationship of government to housing, child welfare, wages, industrial disputes and social security. Professor CLARK CAREY. 6 points. Prerequisite, Course 1, 2 or the equivalent. *Not given in 1942-43.*]

Courses 23, 24 and 25, 26 are ordinarily given in alternate years.

25, 26 — *Constitutional law of the United States.* The development of constitutional principles in the decisions and opinions of the Supreme Court of the United States in relation to civil and political rights in this country; citizenship in the United States; powers of Congress in war and peace; the President, with particular emphasis on military and war powers; the police power; due process of law and the equal protection of the laws. Professor CLARK CAREY. 6 points. Prerequisite, Course 1, 2 or the equivalent. M., 2-4.

31, 32 — *The history of political thought.* A study of the development of political ideas from the Middle Ages to recent times. Professor PEARDON. 6 points. Prerequisite, Course 3, 4 or History 1-2. Course 31 is prerequisite for Course 32. Tu. and Th. at 2.

41, 42 — *Problems in public administration.* First-hand observation and study, in coöperation with various civic and governmental organizations, of problems of local, state and national government administration. The emphasis in 1942-43 will be on problems of war administration. Professor CLARK CAREY. 6 points. Prerequisite, 6 points in government and the written permission of the department. Hours to be arranged.

61, 62 — *Seminar for majors*. Selected subjects in American politics and government. Professor MOLEY. 6 points. Required for senior majors. Th., 4-6.

71, 72 — *Problems of government*. Professor PEARDON. 2 points. This course may be taken only in connection with some other course in government. Hours to be arranged.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 6 points of government at Barnard in addition to a major interest in the social sciences is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

**Government 101-102 — The process of government*. Professor WALLACE. 6 points.

**Government 171, 172 — Modern ideas of the state*. Professor MACIVER. 6 points.

**Public administration 155, 156 — Principles of public administration*. Professor MACMAHON. 6 points.

GREEK AND LATIN

GERTRUDE M. HIRST, Ph.D., Professor of Greek and Latin, *Executive officer*.

*LARUE VAN HOOK, Ph.D., Jay Professor of Greek.

*GILBERT ARTHUR HIGHET, A.M., Professor of Greek and Latin.

JOHN DAY, Ph.D., Assistant Professor of Greek and Latin.

*MOSES HADAS, Ph.D., Assistant Professor of Greek and Latin.

*JOHN F. C. RICHARDS, Ph.D., Instructor in Greek and Latin.

EDITH FRANCES CLAFLIN, Ph.D., Lecturer in Greek and Latin.

*FRED W. HOUSEHOLDER, Ph.D., University Extension.

A major in Greek, or in Latin, or in Greek and Latin combined. — Students majoring in Greek, or in Latin, or in Greek and Latin combined will be required to take courses to be elected in appropriate sequence under the direction of the department. Toward a

Major in Greek — Any courses in Greek and 4 points in archaeology or civilization or Greek history may count.

Major in Latin — Any courses in Latin and 4 points in archaeology or civilization or Roman history may count.

* Officer of Columbia University giving instruction in Barnard College.

Major in Greek and Latin combined — The following combinations are possible: (a) 18 points of Greek, 10 points of Latin; (b) 18 points of Latin, 10 points of Greek. No points in archaeology or civilization may count.

At least one course in Greek composition and one course in Latin composition are strongly recommended. Students will find it profitable to take courses in Greek history, or in Roman history, or in both (History 5, 6, 13, 14, 15, 16), and courses in archaeology and civilization. A reading knowledge of French and German is advised.

Other fields — The work in other fields will vary with the special interest of the student and should be arranged in consultation with the major department.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in this department will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. Information concerning this examination will be available on application to the department.

See also *The foundations of language*, page 65.

ARCHAEOLOGY AND CIVILIZATION

Students majoring in Greek or in Latin may count courses in archaeology and civilization either toward their major or toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value, but not to cover both requirements. For all other students courses in archaeology and civilization will count toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value.

ARCHAEOLOGY

[61-62 — *Centers of Hellenic civilization.* A study of life at certain Greek cities and sanctuaries of the Prehellenic, Hellenic and Hellenistic periods, as revealed by existing monuments. Professor DAY. 4 points in Group III. Open to all excepting freshmen. *Not given in 1942-43.*]

64 — *Greek arts and crafts.* A study of Greek life as reflected by vases, coins and other minor arts. Professor DAY. 2 points in Group III. Open to all excepting freshmen. M. and W. at 3.

[71 — *The Greek and Roman theatre.* Development of tragedy, comedy and theatre building, based on literary evidence and particularly on monuments and objects of art. Third hour for the reading, in English translation, of Aeschylus, Sophocles, Euripides, Aristophanes, Plautus and Terence. Professor BIEBER. 3 points in Group I. *Not given in 1942-43.*]

For other courses in archaeology see Fine Arts 143 and 144 (page 82) and other courses in the Announcement of the Division of Fine Arts, Archaeology and Music.

CIVILIZATION

49, 50 — *Greek life and thought*. A portrayal of Greek civilization. Professor DAY. 4 points in Group III. Open to students of all classes. Tu. and Th. at 10.

53, 54 — *Roman life and thought*. Various aspects of Roman civilization. Professor DAY. 4 points in Group III. Open to students of all classes. Tu. and Th. at 2.

55, 56 — *Greek literature in translation*. Winter session: Homer, Hesiod, lyric poetry, Herodotus and Thucydides. Spring session: The drama, oratory and philosophy. Dr. CLAFLIN. 4 points in Group I. Open to all excepting freshmen. Tu. and Th. at 11.

GREEK LANGUAGE AND LITERATURE

1-2 — *First course (full-year)*. Grammar, composition, selected readings in prose and verse; selections from Homer's *Iliad*. This course may not be begun in the spring session. Professor HIRST. 3 recitations, 2 hours unprepared work in classroom. 8 points. Prerequisite, elementary Latin. M., Tu., W., Th. and F. at 2.

11 — *Homer: Odyssey; Lucian: selections*. Professor DAY. 3 points. Prerequisite, Course 1-2 or three years of high-school Greek. M., W. and F. at 10.

12 — *Plato: Apology; Euripides: one play*. Professor HIRST. 3 points. Prerequisite, Course 1-2 or three years of high-school Greek. M., W. and F. at 10.

19-20 — *Prose composition*. First course (full-year). Dr. HOUSEHOLDER. 2 points. May be taken in connection with any reading course in Greek (except Course 1-2), but not separately; particularly recommended to students who have taken only Course 1-2. This course may be taken for credit in two different years. Hour to be arranged.

21 — *Greek tragedy*. Professor DAY. 2 points. Prerequisite, Course 11 or 12 or 25 or 26. W. and F. at 11.

22 — *Greek comedy: two plays of Aristophanes*. Professor DAY. 2 points. Prerequisite, Course 11 or 12 or 25. W. and F. at 11.

25 — *Selections from Herodotus: Book I*. The story of Croesus and the contemporary history of Greece. Professor HIRST. 2 points. Prerequisite, Course 1-2 or three years of high-school Greek. Tu. and Th. at 11.

[26 — *Demosthenes: Olynthiacs and Philippics*. Professor DAY. 2 points. Prerequisite, Course 11, 12 or 25. Not given in 1942-43.]

29-30 — *Prose composition*. Second course (full-year). Dr. RICHARDS. 2 points. Prerequisite, Course 19-20 or the equivalent. May be taken in connection with any reading course in Greek, but not separately. This course may be taken for credit in two different years. Hour to be arranged.

*101, 102 — *Greek literature. Part I. Poetry.* General survey, with extensive reading, in Greek, of Greek poetry. Professor VAN HOOK. 6 points. Prerequisite, Course 21 or 22 or 25 or 26. Open to qualified seniors. M. and W. at 4. 709 Philosophy.

*139-140 — *Prose composition.* Advanced full-year course. Professor VAN HOOK. 4 points. Prerequisite, Course 29-30. Open to qualified seniors. Hour to be arranged.

See also *Archaeology*, page 94, *Civilization*, page 95, *Fine Arts* 41, page 80, and *History* (Courses 5, 6, 13, 14, 15, 16), pages 99-100.

LATIN LANGUAGE AND LITERATURE

1-2 — *Beginners' full-year course.* Elements of grammar, language structure, etymology, word formation, easy reading. Designed to be the equivalent of the first two years of high-school Latin, but also to have positive value for students in other departments who feel the need of a foundation in Latin. ———. 6 points. This course will be given if a sufficient number of students apply. M., W. and F. at 2.

3 — *Selections from Vergil: Aeneid I-VI.* Parts of the *Aeneid* will be read and the poem will be studied as a whole. Dr. CLAFLIN. 3 points. Prerequisite, two or three years of high-school Latin or Latin 1-2. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9.

4 — *Cicero: De Amicitia, Ovid: selections from the Elegiac Poems.* Dr. CLAFLIN. 3 points. Prerequisite, Course 3 or the equivalent. Not open to students who have had any reading course beyond Course 11, 12. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9.

11 — *Livy: selections; Catullus: selections.* Professor HIRST. 3 points. Prerequisite, Course 3 or the equivalent in entrance Latin. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1.

12 — *Horace: selected Odes and Epodes.* Professor DAY. 3 points. Prerequisite, Course 11. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1.

17-18 — *Lectures on Latin literature.* The importance of Latin literature among the great national literatures. Full-year course. Professors HIRST and DAY. 2 points. Open to students who are taking any reading course in Greek or Latin. Th. at 1.

19-20 — *Latin composition.* First course (full-year). Dr. CLAFLIN. 2 points. May be taken in connection with any reading course in Latin, but not separately. Strongly recommended as a parallel to Courses 3, 4 and 11, 12. This course may be taken for credit in two different years. M. at 3.

21 — *Horace: Satires, Epistles.* A genial Roman poet's outlook on life. Professor DAY. 3 points. Prerequisite, Courses 11 and 12. M., W. and F. at 9.

22 — *Juvenal, Martial, Pliny*. Roman life and thought in the early Empire. Professor HIRST. 3 points. Prerequisite, Courses 11 and 12. M., W. and F. at 9.

25 — *Vergil: Aeneid VII–XII, selections*. Professor HIRST. 2 points. Prerequisite, Courses 11 or 12 and 21 or 22. Tu. and Th. at 9.

26 — *Lucretius: selections*. A poet's exposition of the Epicurean philosophy. Professor DAY. 2 points. Prerequisite, Courses 11 or 12 and 21 or 22. Tu. and Th. at 9.

[27 — *Tacitus: Histories I, II, selections*. Professor HIRST. 2 points. Prerequisite, Courses 11 or 12 and 21 or 22. *Not given in 1942–43.*]

[28 — *Cicero: Letters, selections*. Professor DAY. 2 points. Prerequisite, Courses 11 or 12 and 21 or 22. *Not given in 1942–43.*]

29–30 — *Prose composition*. Second course (full-year). Professor HADAS. 2 points. Prerequisite, Course 19–20. May be taken in connection with any reading course in Latin, but not separately. This course may be taken for credit in two different years. Th. at 1.

[37 — *Plautus, Terence, Seneca*. Professor HIGHET. 3 points. Prerequisite, Course 21, 22 or 25, 26 or 27, 28. *Not given in 1942–43.*]

[38 — *Roman philosophy*. Professor VON FRITZ. 3 points. Prerequisite, Course 21, 22 or 25, 26 or 27, 28. *Not given in 1942–43.*]

41, 42 — *Latin literature*. Latin oratory and Latin epic, tracing the development of rhetoric and the epic style through Latin literature. Professor HIGHET. 6 points. Tu. and Th. at 3 and a third hour to be arranged.

*139–140 — *Prose composition*. Advanced full-year course. Professor HIGHET. 4 points. Prerequisite, Course 29–30. Open to qualified seniors. Th. at 5. 709 Philosophy.

See also *Archaeology*, page 94, *Civilization*, page 95, and *History* (Courses 5, 6, 13, 14, 15, 16), pages 99–100.

HISTORY

EUGENE H. BYRNE, Ph.D., Professor of History, *Executive officer*.

MAUDE ALINE HUTTMAN, Associate Professor of History.

JAMES H. OLIVER, Ph.D., Assistant Professor of History.

CHARLOTTE T. MURET, Ph.D., Instructor in History.

*GEORGE B. YOUNG, Ph.D., Instructor in History.

BASIL RAUCH, A.B., Instructor in History.

A major in history. — Students majoring in history will be required to take the following courses in

History — Course 1–2 and at least two other general courses, such as those offered in ancient, medieval, American or English history

* Absent on leave 1942–43.

(Courses 3, 4; 5, 6; 7, 8; 9, 10; 11, 12). They should then concentrate their attention on some special field in which to do work of a more advanced character, such as that offered in Courses 13, 14; 15, 16; 17, 18; 21, 22; 23, 24; 29, 30; 35, 36; 37, 38.

On account of the close relationship between the subject matter of history and that of government, history majors may with the written permission of the adviser offer as part of the 28 points of the major requirement 6 points in government selected from Courses 1, 2; 3, 4; 9, 10; 11, 12; 31, 32. When such courses are counted toward the major they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences — In view of the essential unity of the social sciences, majors in history must elect 12 points distributed in two social sciences other than history. The courses will be selected in conference with the adviser. Certain of these courses may also be counted toward the satisfaction of the general requirement in Group I or Group II. (See page 28.)

History majors must acquire a reading knowledge of some foreign language.

With the work in history they may combine work in other departments to make up a group of correlated courses on some large subject, such as ancient history and philosophy or art, modern history and international relations or sociology, English history and literature or government, American history and economics, the history of thought and culture.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in 1941, all students majoring in history will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. This examination will consist of three parts of which one will be a general examination in European and American history, the other two in the fields of special study pursued by the student.

See also *American Studies*, page 56, and *Medieval Studies* and *Renaissance Studies*, pages 56 and 58.

Introductory course

1-2 — *Survey of modern European history from the age of discovery to the close of the First World War.* Winter session: Foundations of modern Europe; political, economic and intellectual achievements from the fifteenth century to the eighteenth; the British, American and French Revolutions; the era of Napoleon and the Congress of Vienna. Spring session: The Industrial Revolution; rise of nationalism; social, intellectual and economic problems of the nineteenth century; imperialism and world politics; causes, character and consequences of the First World War. Full-year course. Professors BYRNE and HUTTMAN, Mme. MURET, and Mr. RAUCH. 6 points. Open to students of all classes. M., W. and F. at 9 (I), at 11 (II); also for freshmen only, M., W. and F. at 11 (III) and Tu., Th. and S. at 11 (IV).

General courses

3-4 — *The American heritage.* Origins, background, development and character of American civilization; the coming of Europeans and other peoples to the Americas from the fifteenth to the twentieth centuries and an estimate of their contributions. A study of the American scene, topically considered: the United States as part of the American hemisphere, and its relationship to the world in the nineteenth and twentieth centuries; the emphasis to be placed on social and cultural history, against the political background from colonial times to the present. Full-year course. Professors BYRNE and HUTTMAN, Mme. MURET, Miss DAVIES and Mr. RAUCH. 8 points. Open to students of all classes. M., W. and F. at 2 and a fourth hour to be arranged.

5, 6 — *The history of the ancient world.* A survey of the ancient Orient, Greece and Rome. Professor OLIVER. 6 points. Open to sophomores, juniors and seniors and to qualified freshmen on written permission of the department. Fine Arts 41 is recommended as a parallel course. M., W. and F. at 9.

[7, 8 — *Europe in the Middle Ages.* The history of the Middle Ages from the decline of the Roman Empire through the Renaissance; political movements and theories; social and economic organization; religious, intellectual and artistic life. Professor BYRNE. 4 or 6 points. Open to all excepting freshmen. Fine Arts 51, 52 is recommended as a parallel course. Course 7 is prerequisite for Course 8. Not given in 1942-43.]

9, 10 — *History of the American nation from colonies to world power.* Winter session: Political, social and economic aspects of American history under the British Empire, during the Revolution, and in the early republic; territorial expansion and foreign affairs before the Civil War; political parties and sectionalism to the Compromise of 1850. Spring session: The Civil War and reconstruction; nationalism and industrial capitalism; the agrarian revolt and the reform movement; the United States as a world power; the First World War and after. Mr. RAUCH. 6 points. Open to sophomores, juniors and seniors and to qualified freshmen on written permission of the instructor. M., W. and F. at 11.

11, 12 (old number 33, 34) — *The history of England with special emphasis on the cultural as well as the political aspects of the periods.* Winter session: Life in medieval England; the growth of the Constitution; Tudor England; the separation from Rome; the Elizabethan Age; the Puritan Revolution. Spring session: The Restoration; the glorious revolution; eighteenth-century England; the building of the Empire; political and social reforms of the nineteenth century; the Irish question; international relations; the First World War. Professor HUTTMAN. 4 or 6 points. Open to sophomores, juniors and seniors and to qualified freshmen on written permission of the instructor. Tu. and Th. at 2.

More advanced courses

13, 14 (old number 15, 16) — *History of Greece.* A short survey of Greek civilization in its three "stages": Helladic, Hellenic and Hellenistic; fifth-

century Athens, as the highest type of Greek culture, and the Hellenistic Age, as the period of cultural transmission. Professor OLIVER. 6 or 8 points. Open to juniors and seniors and to sophomores on written permission of the instructor. Fine Arts 41 is recommended as a parallel course. M., W. and F. at 1.

Courses 13, 14 and 15, 16 are ordinarily given in alternate years.

[15, 16 (*old number 17, 18*) — *History of Rome*. The rise of Rome, her conquest of the Mediterranean world, a detailed study of the Empire. Professor OLIVER. 6 or 8 points. Open to juniors and seniors and to sophomores on written permission of the instructor. *Not given in 1942-43.*]

17, 18 (*old number 35, 36*) — *Medieval civilization and the Renaissance*. Winter session: The social and cultural history of the Middle Ages with emphasis upon developments in the twelfth and thirteenth centuries. Spring session: Politics and society in the fourteenth, fifteenth and early sixteenth centuries. Professor BYRNE. 6 points. Open to juniors and seniors and to sophomores on written permission of the instructor. A fine arts course to be selected from 51, 52, 62, 65, 66 is recommended as a parallel course. Tu. and Th. at 10.

21-22 (*old number 55-56*) — *The French Revolution and Napoleon*. A study of the Revolution; the background of eighteenth-century Europe; origins of the Revolution, its political and social doctrines; the Napoleonic era and the spread of revolutionary ideas; reaction and the Congress of Vienna. Full-year course. Mme. MURET. 6 points. Open to juniors and seniors and to sophomores on written permission of the instructor. M., W. and F. at 1.

[23-24 (*old number 53, 54*) — *Europe in the nineteenth century (1815-1900)*. A review of the bases of contemporary Europe and a history of its principal nations after 1815. Nineteenth-century developments; the results of the Industrial Revolution; the growth of liberalism, democracy, nationalism and imperial rivalries; socialism and syndicalism in theory and practice; romanticism and realism in arts and letters; scientific and religious thought. Mme. MURET. 6 points. Open to juniors and seniors and to sophomores on written permission of the instructor. *Not given in 1942-43.*]

25, 26 (*old number 51, 52*) — *Europe before and after the First World War*. Political and social development of England, France, Germany, Russia and Italy since 1890. The Near East; the new imperialism; partition of Africa; international relations; the First World War; the Peace Conference; the new Europe and its problems; Europe between the peace treaties and the new war. Professor HUTTMAN. 6 points. Open to juniors and seniors and to sophomores on written permission of the instructor. Course 25 is prerequisite for Course 26 except on written permission of the instructor. M., W. and F. at 10.

[35, 36 (*old number 91, 92*) — *The United States since 1890*. A study of some of the significant developments in American history from 1890 to the election of 1936; consideration of political, social, economic, intellectual, diplomatic and constitutional aspects of the history of this period; analysis of specific problems with use of source materials. Mr. RAUCH. 4 or 6 points. Prerequisite, Course 9, 10. *Not given in 1942-43.*]

37, 38 (old number 93, 94) — *History of American foreign relations*. International relations of the American people from independence to world power. An attempt to understand the expansive forces of American national life in their relation to an evolving foreign policy. An analysis of the varied international interests of Americans and of such representative policies as isolation, the Monroe Doctrine, the Open Door and the freedom of the seas. Mr. RAUCH. 4 or 6 points. Preceding or parallel, Course 9, 10. Tu. and Th. at 9.

45, 46 (old number 79, 80) — *Seminar in historical study*. Readings in the great historians of the nineteenth and twentieth centuries. Introduction to problems in historical criticism. Professor BYRNE. 4 points. Open to students majoring in history upon approval of the department, and recommended for prospective teachers of history. Th. at 4.

Graduate courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 18 points in history at Barnard, or in special cases the equivalent thereto in courses in other social sciences, is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

*History 39-40 (Columbia College) — *The evolution of Latin America, cultural, political and economic*. Professor TANNENBAUM. 6 points.

*History 131-132 — *Major factors in modern European history, with special reference to the rise of nationalism*. Professor HAYES. 6 points.

*History 139-140 — *European thought and culture in the nineteenth century*. Full-year course. Professor BARZUN. 6 points.

*History 169-170 — *American constitutional history*. Professor COM-MAGER. 6 points.

*History 175-176 — *The establishment of the American nation*. Professor KROUT. 6 points.

*History 191-192 — *Modern history of the Far East*. Professor PEAKE. 6 points.

*History 193-194 — *History of Chinese civilization*. Professor GOOD-RICH. 6 points.

HYGIENE

GULIELMA F. ALSOP, M.D., College Physician.

A1-A2 — *Personal hygiene*. A study of the laws of health with special reference to nutrition for defense and physical and mental stamina. Full-year course. Dr. ALSOP. 2 points. Prescribed for freshmen. Tu. at 11 (I), at 2 (II); Th. at 1 (III); F. at 11 (IV).

ITALIAN

PETER M. RICCIO, Ph.D., Assistant Professor of Italian, *Executive officer*.

TERESA A. CARBÓNARA, A.M., Instructor in Italian.

A major in Italian. — Students majoring in Italian will be required to take in *Italian* — Courses 13, 14; 15, 16; 21, 22; 23, 24; 19, 20 or Comparative literature 9, 10, and other courses to be arranged in consultation with the department.

Other fields — English 53-54; Fine Arts 51, 52, 62, 65; History 17, 18; Philosophy 61-62. Two years of French or German or Spanish. Some knowledge of Latin is also desirable.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in Italian will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. Information concerning the examination will be available on application to the department.

See also *Medieval Studies* and *Renaissance Studies*, pages 56 and 58.

Language courses

1-2 — *Elementary course.* Grammar, reading, composition and conversation. Full-year course. Professor RICCIO. 6 points. This course may not be taken at the same time as Portuguese 1-2 or Spanish 1-2. M., W. and F. at 2.

3-4 — *Introductory full-year course.* Introduction to Italian language intended primarily for majors in other departments who wish to acquire in one year ability to read masterpieces of Italian literature in the original. Miss CARBONARA. 3 recitations, 2 hours unprepared work in classroom. 8 points. This course may not be taken parallel to Portuguese 1-2 or Spanish 1-2. M., Tu., W., Th. and F. at 2.

11, 12 — *Advanced conversation.* Professor RICCIO. 2 points if taken parallel in either session to another Italian course. Divisible only for students who are taking another Italian course. Open only on written permission of the instructor. Th. at 1.

13, 14 — *Practice course.*¹ Vocabulary building with special emphasis on conversation and composition based on readings in representative Italian literary works. Professor RICCIO. 6 points. Prerequisite, Course 1-2 or 3-4. Tu. and Th. at 9 and a third hour to be arranged.

*Literature courses*¹

15 — *Dante and medieval culture.* A study of Dante, his poetry and his times, including practice in the written and spoken language. Reading aloud, emphasis on rhythm and melody of the spoken language. "Analisi estetica" of the most celebrated passages of the *Divine Comedy*. Miss CARBONARA. 3 or, with written permission of the instructor, 4 points. Prerequisite, Course 3-4 or 13, 14 or the equivalent. Tu. and Th. at 11 and Th. at 1.

¹ All courses excepting 19, 20 are conducted entirely in Italian.

16 — *The Italian Renaissance*. Petrarch and humanism; Machiavelli and political philosophy; Castiglione and the ideal of the modern gentleman. Ariosto and the Italian chivalric epic. Tasso and the counter-reformation. This course includes practice in the written as well as the spoken language. Miss CARBONARA. 3 or, with the written permission of the instructor, 4 points. Prerequisite, Course 3-4 or 13, 14 or the equivalent. Tu. and Th. at 11 and Th. at 1.

[19, 20 — *Italian civilization*. Winter session: A study of Italian culture in the thirteenth and fourteenth centuries with special emphasis on Dante; Petrarch and early humanism. Spring session: A study of Italian culture from the fifteenth century to modern times with special emphasis on world exploration, the discovery of politics, Renaissance arts and social life, development of music, drama, opera and modern science. Professors BIGONGIARI, PREZZOLINI and RICCIO and Miss CARBONARA. 6 points. Open to students of all classes. Conducted in English. *Not given in 1942-43.*]

21, 22 — *Special reading*. Discussions on readings in Italian art, history, science, music and letters. Individual reading assignments are generally given in that field of Italian culture most intimately associated with the student's major interests. Professor RICCIO and Miss CARBONARA. 4 or, with written permission of the instructor, 6 points. Required of major students. With the written permission of the department this course may be taken in two successive years. Hours to be arranged.

[23, 24 — *Modern Italian literature*. Winter session: The development of nineteenth-century literature with particular emphasis on Monti, Alfieri, Foscolo, Manzoni, Leopardi, Carducci, and D'Annunzio. Spring session: Croce, Palazzeschi, Panzini, and the new theatre of Pirandello, Rosso di San Secondo, Morselli. Professor RICCIO. 6 points. Prerequisite, Course 13, 14 or the equivalent. *Not given in 1942-43.*]

COMPARATIVE LITERATURE 9, 10 — *Medieval and Renaissance culture*. Professors BIGONGIARI and PREZZOLINI, Dr. KRISTELLER and Miss CARBONARA. 6 points. This course may count toward a major in Italian. See page 65.

*Graduate courses*¹

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures. The following is specially recommended as suitable for Barnard seniors:

**Italian 101-102 — Introduction to the history of Italian literature*. Full-year course. Professor BIGONGIARI. 6 points.

LATIN. See *Greek and Latin*

¹ All courses are conducted entirely in Italian.

MATHEMATICS

*EDWARD KASNER, Ph.D., Adrain Professor of Mathematics.

GEORGE WALKER MULLINS, Ph.D., LL.D., Professor of Mathematics,
Executive officer.

EDGAR R. LORCH, Ph.D., Assistant Professor of Mathematics.

MARY E. LADUE, A.M., Lecturer in Mathematics.

The courses in mathematics are arranged in two sequences, either of which is suitable for students electing mathematics as a cultural subject.

Sequence A is designed for students whose major interest lies in mathematics or in physics. In the courses of this sequence emphasis is placed on the formal and logical development of the subjects and also on the technic of operations and processes involved.

Sequence B is designed to meet the needs of students whose major interest lies in natural sciences other than physics, or in the social sciences. In the courses of Sequence B emphasis is placed on the practical application of elementary mathematics in the fields of science and social science. The cultural and vocational aspects of trigonometry, analytic geometry, the calculus, elementary mathematical statistics and graphical methods are stressed.

The arrangement of courses in both sequences admits of considerable flexibility. For example, a student who has elected in her freshman year courses in Sequence B can, without any handicap, change to Sequence A at the beginning of her sophomore year. A similar shift may be made from Sequence A to Sequence B, but students must consult the department to avoid duplication of work.

A major in mathematics. — Students majoring in mathematics will be required to take in

Mathematics — 28 points selected from Sequence A. With the approval of the department courses in Sequence B may also count toward the major.

Other fields — The work will vary with the special interest of the student and must be arranged in consultation with the major department.

Sequence A

1 (or 2R) — *Trigonometry*. Miss LADUE. 3 points either session.

Winter session only: 1 — M., W. and F. at 9.

Spring session only: 2R — Tu., Th. and S. at 10.

22 (or 21R) — *Analytic geometry*. Introduction to the analytic geometry of the plane and of space. 3 points either session. Prerequisite, Course 1 or Course 7, Sequence B.

Winter session only: 21R — M., W. and F. at 9. Professor LORCH.

Spring session only: 22 — M., W. and F. at 9. Miss LADUE.

* Officer of Columbia University giving instruction in Barnard College.

23 (old number 24) — *Algebra and the theory of equations*. Complex numbers, theory of equations, determinants, series and exponential functions, partial fractions, mathematical induction. Miss LADUE. 3 points. Tu., Th. and S. at 10.

[27 — *Projective geometry*. Professor MULLINS. 3 points. Prerequisite, Course 22 or Course 7-8, Sequence B. *Not given in 1942-43.*]

29 — See Sequence B.

31-32 (or 32R-31R) — *Calculus*. Differential and integral calculus. Full-year course; students electing 32R in the spring session must take 31R in the following winter session. 6 points. Prerequisite, Course 22 or Course 7-8, Sequence B.

Entire year: 31-32 — M., W. and F. at 10. Professor MULLINS.

Spring session only: 32R (equivalent of 31) — M., W. and F. at 9. Professor LORCH.

Winter session only: 31R (equivalent of 32) — Tu., Th. and S. at 9. Miss LADUE.

33 (or 34R) — *Calculus*. Continuation of the study of calculus. Professor LORCH. 3 points either session. Prerequisite, Course 31-32.

Winter session only: 33 — M., W. and F. at 10.

Spring session only: 34R — M., W. and F. at 10.

[44 — *The theory of space and time*. Foundations of Euclidean geometry; transformations and groups; the special theory of relativity. Professor LORCH. 3 points. Prerequisite, Course 31-32. *Not given in 1942-43.*]

[46 — *Analytic geometry of space and hyperspace*. Modern methods in solids analytics. Vectors, matrices, groups, quadratic forms. Professor LORCH. 3 points. Prerequisite, Course 31-32. *Not given in 1942-43.*]

47 — *Elementary theory of numbers*. A study of the properties of whole numbers. A variety of important and historically interesting problems will be discussed on an entirely elementary basis. Among the topics to be dealt with are: divisibility; Euclid's algorithm; prime numbers; quadratic residues; diophantine equations; rings and fields. Professor LORCH. 3 points. Prerequisite, Courses 1 and 22 or Course 7-8, Sequence B. M., W. and F. at 1.

56 — *Differential equations*. An elementary course in differential equations. Professor MULLINS. 3 points. Prerequisite, Course 33. M., W. and F. at 2.

58 — *Higher algebra*. Fields, theory of equations in various fields, symmetric functions, elimination theory. Theory of determinants and matrices, systems of linear equations. Professor LORCH. 3 points. Preceding or parallel, Course 32. M., W. and F. at 1.

133, 134 — *Fundamental concepts of modern mathematics*. A general survey emphasizing the bearing of higher theories on elementary mathematics and the historical evolution of ideas. Topics treated: transformations and groups, point-sets and topology, imaginary and hypercomplex numbers. Applications to physics. Professor KASNER. 6 points. Preceding or parallel, Course 31-32. M., W. and F. at 11.

Courses 133, 134 and 135, 136 are ordinarily given in alternate years.

[135, 136 — *General introduction to higher mathematics*. Development of the number system. Modern theory of infinity. Elementary geometry of four dimensions; vector geometry; conformal representations. Groups, finite and continuous. Non-Euclidean and n -dimensional geometry. Mathematical physics. Professor KASNER. 6 points. Preceding or parallel, Course 31-32. *Not given in 1942-43.*]

Sequence B

7-8 — *Mathematical analysis*. Winter session: Coördinates, graphs, frequency curves, index notation, common logarithms and their application, trigonometry and its application. Spring session: Analytic geometry: the straight line, the circle, the conic sections and exponential curves. Elementary treatment of the calculus and its application in finding rates, maximum and minimum values and areas. Graphical solution of polynomial equations. Full-year course. 6 points. M., W. and F. at 11 (I), Miss COMER; and at 1 (II), Miss LADUE.

29 — *Graphical and numerical methods*. Nomographic charts for calculation, solution of equations by graphical and numerical methods, numerical integration, numerical solutions of differential equations. Professor MULLINS. 3 points. Prerequisite, Course 7-8 or Course 22, Sequence A. M., W. and F. at 2.

MEDIEVAL STUDIES. See *Interdepartmental courses*, page 56.

MUSIC

*DOUGLAS STUART MOORE, A.B., Mus. B., Professor of Music, *Executive officer of the Department*.

*SETH BINGHAM, A.B., Mus. B., Associate Professor of Music.

*PAUL HENRY LÁNG, Ph.D., Associate Professor of Musicology.

*HERBERT DITTLER, Assistant Professor of Music.

*WILLIAM J. MITCHELL, A.M., Assistant Professor of Music.

GENA TENNEY, A. B., A.R.C.M., Instructor in Music on the Joline Foundation, *Executive officer, Barnard Section*.

*W. LORAN CROSTEN, A.M., Instructor in Music.

*JAMES A. GIDDINGS, A.M., Associate in Music.

*WILLARD RHODES, A.M., Associate in Music.

*HARWOOD SIMMONS, A.M., Mus. D., Associate in Music.

*ERICH HERTZMANN, Ph.D., Lecturer in Music.

* Officer of Columbia University offering courses open to qualified Barnard students.

*CHARLES H. DOERSAM, F.A.G.O., University Extension.

*RUDOLPH THOMAS, A.M., University Extension.

Teaching Staff in Applied Music:

ALTA HILL, Piano.

*YELLA PESSL, Harpsichord.

*DAGMAR RYBNER-BARCLAY, Voice.

FRANK M. SHERIDAN, Piano.

A major in music. — Students intending to major in music should plan to take Courses 1-2 and 1a, 2a in the freshman year and Course 31-32 in the sophomore year as these courses are prerequisite to the advanced courses in literature, history and theory which are normally included in a major program.

In general, major programs are planned to include some advanced work both in literature and history and in theory. Applied music courses are counted toward fulfillment of the major but not required. Music majors, whether or not registered in courses in applied music, are expected to participate in the undergraduate musical organizations.

For courses on Folk music and Primitive music, see Anthropology 127, 128 (page 60).

Attendance at the Collegium Musicum meetings is compulsory for all music majors.

Other fields — A reading knowledge of German, Italian or French is required. Students planning to do graduate work must have two foreign languages one of which is German. Italian 3-4 is recommended for its close tie-up with the materials of Music 16. Courses in philosophy, history, literature or other fields which will vary with the special interest of the student should be arranged in consultation with the major department.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in music will be required to pass with a grade of at least C a major examination at the end of the senior year. This examination will test general knowledge of the growth and structure of western music, and a knowledge of the more important composers and their relations and contributions to the great epochs in music. It will be given in three parts: (I) three hours in literature and history, (II) three hours in theory, based on materials covered in Courses 31-32 and 37-38, (III) one hour in general musicianship. A selected list of masterworks is recommended for independent outside study.

Practice rooms. The department provides practice rooms for the use of students of piano and organ. Preference in assigning hours is given to those enrolled in courses given by the department. Application for practice time on the piano should be made to the department office, 407 Barnard. Organ students should apply to the Columbia department secretary, 601 Journalism.

Library. Books, scores and records and a phonograph room are available at the Barnard College Library. The Columbia Department of Music maintains in Room 701 Journalism a lending library of books and scores. In addition, phonographs with a large collection of records are available to students.

* Officer of Columbia University offering courses open to qualified Barnard students.

Literature and history

1-2 — *A survey of music.* The materials of music. A study of the elements of musical structure designed to form intelligent habits of listening to music. The spring session is devoted to a study of selected masterpieces of the several great epochs of music, with emphasis on their style and structure. No previous knowledge of music is required. Miss TENNEY. 4 points. Tu. and Th. at 11 and an additional drill hour Th. at 1 or at an hour to be arranged. 408 Barnard.

11 — *Music of the romantic period.* A study of the esthetics, forms and styles of the romantic composers. Miss TENNEY. 2 points. Prerequisite, Course 1-2 or the equivalent. Tu. and Th. at 2. 408 Barnard.

*13-14 — *Literature of chamber music.* A study of the literature of chamber music involving class analysis and performance of a selected list of compositions from the seventeenth century to the present day. Full-year course. Professor DITTLER. 4 points. Prerequisite, Course 1a or 2aR or the equivalent, and sufficient technical ability on piano, string or wind instruments. Open only on written permission of the instructor. Tu., 4-6. 602 Journalism.

*15 (old number 16) — *The symphony.* Survey of symphonic literature with frequent performances of masterpieces. Professor MITCHELL. 3 points. Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 603 Journalism.

*16 (old number 15) — *The opera.* A rapid survey of the development of opera from Monteverdi to the present. Mr. RHODES. 3 points. Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 603 Journalism.

*19, 20 — *Literature of choral music.* A survey of representative choral masterpieces from the Renaissance to the present, approached primarily through class performance. Mr. GIDDINGS. 4 points. Prerequisite, Courses 1 and 1a or the equivalent. Tu. and Th. at 10. 602 Journalism.

*23-24 — *History of music.* A survey of the history of music from the beginning of the Christian era to the present. Full-year course. Professor LÁNG. 4 points. Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 11. 703 Journalism.

*105-106 — *History of the lyric stage.* Historical, analytical and sociological studies in the problems of combining music and drama from the fifteenth century to the present day. Full-year course. Mr. CROSTEN. 4 points. Prerequisite, Course 37-38 or the equivalent. Tu. and Th. at 10. 703 Journalism.

*107 — *Bach.* A study of the content, forms and styles of Bach's music. Students are required to do considerable outside reading and to prepare four papers. Professor MOORE. 2 points. Prerequisite, Course 31-32 or the equivalent. M. and W. at 11. 603 Journalism.

*108 — *Twentieth-century tendencies in music*. Lectures and discussions of the idioms, esthetics, forms and styles of the chief contemporary composers. Professor MOORE. 2 points. Prerequisite, Course 31-32 or the equivalent. M. and W. and 11. 603 Journalism.

*109 — *Music in the Middle Ages*. Survey of the main types of music up to the fourteenth century, with detailed analysis of the music. Dr. HERTZMANN. 3 points. Prerequisite, Course 23-24 or the equivalent and written permission of Dr. HERTZMANN or Professor LÁNG. Th., 2-4. 703 Journalism.

*110 — *Music in the Renaissance*. The main types of music from the fourteenth to the sixteenth centuries. Analysis of representative compositions and recordings. Dr. HERTZMANN. 3 points. Prerequisite, Course 23-24 or the equivalent and written permission of Dr. HERTZMANN or Professor LÁNG. Th. 2-4. 703 Journalism.

Collegium Musicum. Third Monday of each month at 7:30 P.M. College Parlor, Barnard.

The aim of this organization is to acquaint the students with certain neglected and unfamiliar masterpieces in the literature of music, in order to supplement concert and recital programs to be heard in the city and elsewhere. All students majoring in music are required to attend the meetings and are urged to participate actively in the performance of vocal and instrumental music. The literature to be used embraces music from medieval times up to the present day. Emphasis is placed upon a variety of compositions and not on finished performance.

Theory

1a, 2a (or 2aR) — *Elementary theory*. A study of rhythmic, melodic and harmonic notation, intervals and chords, preparatory to Course 31-32. The voice is used continuously as the link between the eye and the inner ear. A good voice is not required, but the student must be able to sing familiar melodies easily and in tune. Open only on written permission of the instructor. Miss TENNEY.

Entire year: 1a, 2a — 4 points — W. and F. at 3 and an additional drill hour to be arranged. 408 Barnard.

Spring session only: 2aR (the equivalent of 1a) — 2 points — Tu. and Th. at 2 and an additional drill hour to be arranged. 408 Barnard.

*31-32 — *Harmony*. A study of triads, tones of figuration, chords of the seventh and ninth, and modulation. One hour each week is devoted to ear training. Students who register must be able to play the piano. Full-year course. Professor MITCHELL. 6 points. Prerequisite, Course 1a or 2aR or the equivalent and the written permission of the instructor. M., W. and F. at 1. 703 Journalism.

*35-36 — *Counterpoint*. Full-year course. Professor BINGHAM. 6 points. Prerequisite, Course 31-32 or the equivalent. M. and F. at 2 and a third hour to be arranged. 602 Journalism.

*37-38 — *Advanced harmony and analysis*. An analytical study of the elements of chromaticism. The exercises in various styles are taken from music literature and are designed to introduce the student to problems of musical texture. Full-year course. Professor MITCHELL. 6 points. Prerequisite, Course 31-32 or the equivalent. Parallel, advised but not required, Course 35-36. M. and F. at 2. 603 Journalism.

*39-40 — *Composition A*. Composition in the smaller forms including songs, choral settings of carols and anthems, piano or organ solos and pieces for violin or other instruments with piano. Full-year course. Professor BINGHAM. 2 points. Prerequisite, Course 31-32 or the equivalent. M. at 3. 602 Journalism.

*131-132 — *Composition B*. Canon and fugue are studied with practice in writing in these forms. Freer compositions are made for chorus, organ, piano and chamber-music groups. Full-year course. Professor BINGHAM. 4 points. Prerequisite, Course 35-36 and the written permission of the instructor. Students are advised though not required to take Course 39-40 before Course 131-132. W., 2-4. 602 Journalism.

*133-134 — *Orchestration*. The various instruments of the modern orchestra are described, with actual demonstrations by professional players. A considerable amount of arrangement for orchestra is a part of the work. Full-year course. Mr. THOMAS. 6 points. Prerequisite, Courses 35-36, 37-38 or the equivalent and written permission of Professor BINGHAM or Mr. THOMAS. Special fee, \$25 each session. Th., 4-6. 602 Journalism.

Applied music

Note. Each course in applied music must be taken parallel to a theoretical or historical course in music in order to count toward the degree.

*63, 64 — *University orchestra and band*. Properly qualified students are privileged to receive private lessons without special fee in connection with this course. Students not desiring credit are eligible to membership in the orchestra and band without fee. Professor DITTLER (orchestra) and Dr. SIMMONS (band). 2 points (see note above). Open only on written permission of the instructor. 601 Journalism.

Orchestra (I), M., 4-6 and W., 7:30-9:45 P.M. 312 Hamilton.

Band (II), Tu., 7:30-9:45 P.M. 312 Hamilton.

*71-72 — *Score reading and repertory*. A thorough study and analysis of a group of compositions representing different periods and styles. Lectures and practice in reading clefs and transposing instruments. Full-year course. Mr. THOMAS. 4 points. Prerequisite, Course 31-32 or the equivalent. Special fee, \$25 each session. W., 3-4:25. 703 Journalism.

*75-76 — *Conducting*. This is a course in the essentials of conducting, the technic of the baton, interpretation, repertory. Exceptionally qualified students have the opportunity of conducting orchestra, band and choral ensemble. Full-year course. Mr. THOMAS. 4 points. Prerequisite, Course 31-32 or the equivalent and the written permission of the instructor; preceding or parallel, Course 71-72. Special fee, \$25 each session. M., 4-6. 602 Journalism.

79, 80 — *Vocal instruction*. Individual instruction in voice production and in interpretation. Coaching and repertory. Mme. RYBNER-BARCLAY. 2 points (see note above). Open only on written permission of the instructor. One hour weekly to be arranged. 406 Barnard.

79a, 80a — Private lessons. Special fee, \$100 each session.

79b, 80b — One hour a week in a group of two. Special fee, \$70 each session.

79c, 80c — One hour a week in a group of three. Special fee, \$60 each session.

79d, 80d — One hour a week in a group of four. Special fee, \$50 each session.

83, 84 — *Organ instruction*. Individual instruction in the technic of the instrument and a weekly class lesson, or lecture recital, on the interpretation of the works of representative organ composers. Mr. DOERSAM. 2 points (see note above). Open only on written permission of the instructor. Hours to be arranged.

83a, 84a — Private lessons. Special fee, \$100 each session.

83b, 84b — One hour a week in a group of three. Special fee, \$60 each session.

83c, 84c — One hour a week in a group of four. Special fee, \$40 each session.

91, 92 — *Piano instruction for beginners*. Instruction in the technic of the instrument and in interpretation. Miss HILL. 2 points (see note above). Open only on written permission of the instructor. Hours to be arranged. 406 Barnard.

91a, 92a — Private lessons. Special fee, \$55 each session.

91b, 92b — One hour a week in a group of two. Special fee, \$35 each session.

91c, 92c — One hour a week in a group of three. Special fee, \$30 each session.

91d, 92d — One hour a week in a group of four. Special fee, \$25 each session.

93, 94 — *Piano instruction for advanced students*. Instruction in the technic of the instrument and in interpretation. Coaching and repertory. Mr. SHERIDAN. 2 points (see note above). Open only on written permission of the instructor. Hours to be arranged. 406 Barnard.

93a, 94a — Private lessons — Special fee, \$160 each session.

93b, 94b — One hour a week in a group of two. Special fee, \$100 each session.

93c, 94c — One hour a week in a group of three. Special fee, \$85 each session.

93d, 94d — One hour a week in a group of four. Special fee, \$70 each session.

*u95-u96 — *Harpsichord instruction*. Miss PESSL. 2 points. Private lessons at hours to be arranged. Special fee, \$100 each session. A harpsichord is available for practice at no additional charge.

Barnard Glee Club. Mr. GIDDINGS, Director.

All Barnard students are eligible for membership. The repertory will consist chiefly of compositions for women's voices drawn from the literature of the masters and representative contemporary composers and of arrangements of folk music of various countries.

Besides appearances at the College, the Glee Club's schedule includes broadcasts and concerts outside of college, joint programs with men's and other women's colleges and two concerts each season with the Columbia University Glee Club and the Columbia University Orchestra at which more elaborate choral works will be performed.

Rehearsals: M., 5-6:15, W., 5-6. 408 Barnard; W., 7:30-9:15 (with Columbia Glee Club). John Jay. First rehearsal, W., Sept. 30.

Auditions: M., Sept. 21, 10-12; Tu., Sept. 22, 2-4; W., Sept. 23, 10-12. 407 Barnard. F., Sept. 25, 10-12; M., Sept. 28, 10-12 and 2-4. 601 Journalism.

Barnard and Columbia Singers. Mr. GIDDINGS, Director. All graduate and extension students, faculty members and alumni, both men and women, of the University are eligible for membership. The Chorus is formed for the purpose of providing an opportunity in organized singing for those who are ineligible for Glee Club activity. The Chorus will participate in two concerts each year, one in December and one in April, joining with the Glee Clubs and the Orchestra for the performance of choral works such as Bach's cantata *Sleepers, Wake*, Schubert's *Mass in E flat*, Berlioz' *Requiem*, Stravinsky's *Symphony of Psalms* and Randall Thompson's *The Peaceable Kingdom*, which were presented during the last two seasons.

Rehearsals: W., 7:30-9:15. John Jay. First rehearsal: W., Oct. 7.

Auditions: Tu., Sept. 29, 7:30-9; W., Sept. 30, 10-12 and 2-4; Tu., Oct. 6, 7:30-9; W., Oct. 7, 10-12 and 2-4. 601 Journalism.

Chapel Choir. Mr. LOWELL P. BEVERIDGE, Director of Chapel Music. All men and women students of the University are eligible to sing in the Chapel Choir. Regular members of the Choir are entitled to a refund of a portion of their tuition fees.

Services: Daily except Saturday, 12-12:20, and Sunday at 11.

Rehearsals: M., W. and F., 5-6:15, Chapel Crypt.

Auditions: M., September 21, 3-5; Tu., September 22, 11-1 and 3-5; W., September 23, 10-12, Chapel Crypt.

Columbia Chapel Chorus. Mr. LOWELL P. BEVERIDGE, Director of Chapel Music. All men and women students of the University are eligible for membership in the Columbia Chapel Chorus. The Chorus affords an opportunity for the study and performance of larger choral works of a religious nature. One or more performances, usually assisted by a student orchestra and student soloists, are given in the Chapel each year.

Rehearsals: Tu., 8-9:30 P.M. Chapel Crypt. First rehearsal, Tu., Sept. 29.

Auditions: Tu., September 29, 4-6 and 9-10 P.M.; Tu., October 6, 7-8 P.M., Chapel Crypt.

ORIENTAL CIVILIZATIONS

Courses in Chinese and Japanese language, literature, history, philosophy and art, given at Columbia University and described in the Announcement of the Division of Ancient and Oriental Languages and Literatures, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

PHILOSOPHY

WILLIAM P. MONTAGUE, Ph.D., Johnsonian Professor of Philosophy, *Executive officer.*

HELEN H. PARKHURST, Ph.D., Associate Professor of Philosophy.

GERTRUDE V. RICH, Ph.D., Instructor in Philosophy.

Since the philosopher raises fundamental questions about the universe, man and human institutions, and since he endeavors to correlate the various fields of knowledge in his search for the good, the true and the beautiful, philosophic study is peculiarly bound up with and dependent upon all other studies. According to which subdivision of the whole field of philosophy — ethics, logic, metaphysics, esthetics — particularly interests those majoring in the subject, one or another group of courses will be found especially valuable. Strongly recommended:

1) in connection with the study of *individual and social ethics* are certain courses in religion, psychology, anthropology, government and sociology;

2) in connection with the study of *logic*, courses in mathematics, statistics, scientific method and linguistics;

3) in connection with the study of *metaphysics*, courses in the sciences of inorganic and organic nature;

4) in connection with the study of *esthetics*, certain courses in music, fine arts, psychology, anthropology and the literatures, ancient and modern.

5) in connection with the study of the *history* of philosophic ideas, courses in the history of science and in political and social history.

So intimately connected with the subject-matter of philosophy is the subject-matter dealt with in such courses that, by special arrangement, a limited number of points, not exceeding 6, in related departments, may count toward the 28-point requirement for a major in philosophy.

This major may be in either one of two fields:

A — In general philosophy which will include Courses 1, 12, 61-62 and other courses to be arranged in consultation with the department;

or B — In esthetics which will include Courses 41-42, 45, 46, 61-62 and other courses to be arranged in consultation with the department.

(Note. A major in general philosophy will count in Group III. A major in esthetics will count in Group I. Since courses in esthetics are counted as part of a major in general philosophy, the 14-point requirement in Group I must be satisfied in other subjects. Since courses in general philosophy are counted as part of a major in esthetics, the 14-point requirement in Group III must be satisfied in other subjects. For all except major students courses in philosophy will count toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value.)

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in philosophy will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. Information concerning this examination will be available on application to the department.

1 (or 2) — *Introduction to philosophy.* A survey of the various subdivisions of philosophic inquiry with special consideration of the metaphysics of materialism and idealism and their respective affiliations with natural science and with religion. 3 points either session in Group III.

Winter session: 1 — M., W. and F. at 9 (I). Professor PARKHURST. M., W. and F. at 11 (II). Professor MONTAGUE. Tu., Th. and S. at 9 (III), for freshmen only. Dr. RICH.

Spring session: 2 — M., W. and F. at 9 (I). Professor PARKHURST. Tu., Th. and S. at 9 (II), for freshmen only. Dr. RICH.

3 — *Logic, inductive and deductive.* A survey of the principles of Aristotelian logic. Half-year course. Professor MONTAGUE. 3 points in Group II. M., W. and F. at 10.

12 — *Metaphysics of life and mind.* An examination of the metaphysical theory of vitalism, with some treatment of positivism and the related doctrine of pragmatism. Dr. RICH. 3 points in Group III. Prerequisite, Course 1 or the equivalent. M., W. and F. at 11.

[21-22 — *Radical and conservative morals.* A study of contemporary ideals of individual life and social institutions. Full-year course. Professor MONTAGUE. 4 points in Group III. Open to juniors and to qualified sophomores on written permission of the department. *Not given in 1942-43.*]

[23, 24 — *Readings in the history of ethics.* Dr. RICH. 2 points in Group III. This course may be taken only in connection with Course 21-22. Hour to be arranged for individual conferences for the discussion of important texts. *Not given in 1942-43.*]

41-42 — *General esthetics.* A survey of the main problems of esthetic theory including the origins of art, the nature of creative imagination and esthetic experience and the meaning of the beautiful, the sublime, the tragic and the comic. The arts will be treated comparatively for a distinguishing of their similarities and differences of medium, subject-matter and esthetic form and for a consideration of their relations to the experienced world and every-day living. Full-year course. Professor PARKHURST. 6 points in Group I. Open to juniors and seniors and to qualified sophomores on written permission of the department. Tu. and Th. at 9.

45, 46 — *The esthetics of poetry and prose.* Winter session: An introduction to the study of poetic rhythms and stanzaic patterns, with some consideration of the relations of poetry and music. Spring session: A study of prose rhythms and analysis of style with consideration of the similarities and differences between prose and poetry. Professor PARKHURST. 4 points in Group I. Tu. and Th. at 11.

53, 54 — *Readings in the history of esthetic theory*. Professor PARKHURST. 2 points in Group I. This course may be taken only in connection with some other course in esthetics. Hour to be arranged for individual conferences for the discussion of important texts.

61-62 — *The history of philosophy*. Full-year course. Professor MONTAGUE and Dr. RICH. 6 points in Group III. Open to juniors and seniors and to qualified sophomores on written permission of the department. M., W. and F. at 9.

[63, 64 — *Readings in the history of philosophy*. Dr. RICH. 2 points in Group III. This course may be taken only in connection with some other course in philosophy. Hour to be arranged for individual or group conferences for the discussion of important texts. *Not given in 1942-43.*]

[67 — *British philosophy from Francis Bacon to John Stuart Mill*. The development of philosophical, political and religious theories in this period, with particular emphasis on the ideas of the eighteenth century and the background from which they arose. Dr. RICH. 3 points in Group III. Prerequisite, Course 61-62. *Not given in 1942-43.*]

[68 — *French philosophy in the eighteenth and nineteenth centuries*. A study of the writings and influence of such figures as Voltaire, Rousseau, Condillac and the Encyclopaedists, and of the eighteenth-century struggle against dogmatism in church and state, and of such nineteenth-century figures as Maine de Biran, Cousin and Auguste Comte. Dr. RICH. 3 points in Group III. Preceding or parallel, Course 61-62. Open only on written permission of the instructor. *Not given in 1942-43.*]

[70 — *Contemporary philosophy*. Dr. RICH. 3 points in Group III. Prerequisite, Courses 1 and 12 or 61-62. *Not given in 1942-43.*]

145-146. Medieval thought and its translation into symbolism and art. Winter session: Introduction to the philosophy of St. Thomas Aquinas with some of its sources, Aristotelian, neo-Platonic, Biblical and apocryphal. Spring session: The Divine Comedy and the Gothic cathedral considered as poetic versions of the medieval synthesis of classic culture and Christian doctrine. Full-year course. Professor PARKHURST. 6 points in Group I or III. Open to seniors and, on written permission of the department, to qualified juniors. Tu. and Th. at 10. 37 Milbank.

PHILOSOPHICAL STUDIES 2 — *Schemes for a better world*. Professor PARKHURST with the collaboration of the DEPARTMENTS OF ANTHROPOLOGY, ECONOMICS, GOVERNMENT, HISTORY, PSYCHOLOGY, RELIGION AND SOCIOLOGY. 2 points. This course may count toward a major in philosophy. See page 57.

See also *Medieval Studies*, page 56.

PHYSICAL EDUCATION

AGNES R. WAYMAN, A.M., Associate Professor of Physical Education, *Executive officer.*

MARION STRENG, A.M., Assistant Professor of Physical Education.

LELIA M. FINAN, A.M., Instructor in Physical Education.

MARGARET HOLLAND, A.M., Instructor in Physical Education.

MARJORIE TUZO, A. M., Instructor in Physical Education.

FERN YATES, A.M., Instructor in Physical Education.

JANE HARTING, A.M., Instructor in Physical Education.

Aims and objectives. — The program provides the students with wholesome activity while in college. In addition, however, the program will help the students not only in the cultivation of certain personal skills which will be useful to them as adults, but also in the acquisition of such habits and attitudes, such knowledge and appreciation as will tend to make them progressively more self-directing in all problems relating to health, recreation, leisure time pursuits and social relationships.

In addition to the medical certificate which the student presents before admission, a physical and medical examination at college is required of all students at entrance.

There is a prescribed dance and sports costume for all work, approximate cost, \$7; swimming suits, \$1.50. For further information inquire at Barnard Hall, Room 209.

A1, A2 — *Rhythmic and skill fundamentals, body mechanics and correction of remediable defects are stressed.*¹ 2 hours. M. and W. at 10 (I), at 11 (II), at 2 (III), at 3 (IV).

And *Sports, games, dancing or swimming.* 1 hour. Hour to be arranged on Tu., Th. or F. *Prescribed for freshmen.*

A course in personal hygiene (*Hygiene A1-A2*) is also prescribed for freshmen (see page 101).

As soon as possible after the medical and physical tests are completed, each freshman will be given a motor capacity test and a classification test in swimming. The test results will be used as a partial basis for deciding the type of physical activity in which the student will participate. A medical and physical examination, a motor capacity test and a swimming test will be required at the end of the spring session. This combined program forms an *orientation* course for freshmen. A syllabus is used and some outside reading is required.

B1, B2 — *Sports, games, dancing, individual gymnastics and other activities,*¹ including remedial and corrective work. 3 hours.

The type of activity offered will vary with the season and a student's choice should be governed by her health status, her defects, her interests and her preferences. See *Syllabus* for full statement. Sophomores are required to take three hours, two on Tu. and Th. and the third on a different day. *Prescribed for sophomores.*

¹ See program in Barnard Hall.

C1, C2 — *Sports, games, dancing and swimming*,¹ to be elected in any authorized activity, depending upon the student's physical condition, her interests and her preferences. Specific activity will be prescribed only in special cases. M. to F. inclusive at hours to be arranged on different days. 2 hours. *Prescribed for juniors.*

D1, D2 — *Sports, games, dancing and swimming*.¹ Substitution of approved activities will be allowed in special cases. M. to F. inclusive at hours to be arranged on different days. 2 hours. *Prescribed for seniors.*

All Activities classes are arranged on skill levels, beginning, intermediate and advanced and students should register accordingly.

Within the "time requirement," a group achievement plan has been set up. Students who fulfill these group requirements are excused from supervised activity during their senior year, provided they are in good physical condition and have no remediable defects. See *Syllabus* for full details.

A course in *Rhythmic Analysis* designed to show the relationship between music and the dance will be offered in the winter session. (Consult Professor Streng.)

Students wishing to take up physical education as a profession are advised to consult Professor Wayman early in their college career. It is not possible to major in physical education, but a course of study can be planned which will help to shorten post-graduate study in that field.

A course in *training for recreational leadership* for students interested in volunteer social service will be given each term, limited to upper-classmen.

An intensive course for *camp councillors* will be offered during the outdoor spring session and one for future student councillors for Barnard College Camp will be given at Camp in June after College closes. (Consult Miss Holland.) Interested students are urged to choose their electives accordingly for all of the above specialized interests.

The *Red Cross Life Saving Course* and tests will be given each session and may be counted as a regular elective.

Special attention will be given to the development of *student officials* for sports and games.

101, 102 — *Dancing, sports, games and swimming* for women graduate students under the Faculties of Philosophy, Political Science and Pure Science, and women students in the professional schools of the University (excepting Teachers College). 3 hours. 1 point each session.

All regular sections are open provided the registration is not already filled by undergraduate students. Graduate students who wish credit must take work in classes in which instruction is given and should avoid "open hour" sections.

PHYSICS

HENRY A. BOORSE, Ph.D., Assistant Professor of Physics, *Executive officer.*
 AGNES TOWNSEND, Ph.D., Lecturer in Physics.

¹ See program in Barnard Hall.

A major in physics. — Students majoring in physics will be required to take in

Physics — Courses to be arranged in consultation with the department.

Other fields — Mathematics: Through the differential and integral calculus and, if possible, differential equations. Two semesters of calculus should be completed by the beginning of the junior year.

Chemistry — one year's work.

A course in the biological sciences is recommended.

A reading knowledge of French and German by graduation.

11-12 — *General physics.* Full-year course. Professor BOORSE, Dr. TOWNSEND and Miss ZIHLMAN. 8 or 9 points. Premedical students are advised to take the course for 9 points. Preceding or parallel, Mathematics 1 or 7-8. Open to all students. Lectures: M., W. and F. at 11. Laboratory: For students electing 8 points, 2 hours each session; for students electing 9 points, 2 hours winter session, 4 hours spring session. M., 2-4; Tu., 9-11, 2-4; Th., 1-3, and, if more than 56 students elect the course, F., 2-4.

17 — *Modern physics.* An elementary survey of the development of atomic theory from Dalton up to the present time, with special emphasis on the Rutherford-Bohr atom and its modification as demanded by contemporary advances. A brief treatment is then given of ionization of gases, spectroscopy, photoelectricity, X-rays, radioactivity, isotopes, cosmic rays and transmutation of the elements. Professor BOORSE. 3 points. Prerequisite, Course 11-12. M., W. and F. at 9.

19 (or 20R) — *Photography.* The theories of optics as applied to photography and photomicrography. The principles of still and motion picture photography; infra-red, ultra-violet and X-ray photography. The theory of color photography. Dr. TOWNSEND. 3 points either session. Prerequisite, Course 11-12, except on written permission of the instructor.

Winter session only: 19	}	Lecture (1 hour) and laboratory (4 hours) to be arranged for both courses.
Spring session only: 20R		

21 (or 22R) — *Radio and electronics.* An elementary course dealing with the fundamentals of radio, the properties of vacuum tubes and their application in typical radio circuits. Dr. TOWNSEND and Miss ZIHLMAN. 3 points either session. Prerequisite, Course 11-12 or written permission of the department.

Winter session only: 21	}	Lecture (2 hours) and laboratory (2 hours) to be arranged for both courses.
Spring session only: 22R		

31 — *Mechanics.* Dr. TOWNSEND. 4 points. Prerequisite, Course 11-12, except on written permission of the department. M., W. and F. at 1 (or hour to be arranged) and 2 hours of laboratory work.

34 — *Light.* Dr. TOWNSEND. 4 points. Prerequisite, Course 11-12. M., W. and F. at 10 (or hour to be arranged) and 2 hours of laboratory work.

36 — *Electricity and magnetism.* Professor BOORSE or Dr. TOWNSEND. 4 points. Prerequisite, Course 11-12. M., W. and F. at 1 (or hour to be arranged) and 2 hours of laboratory work.

PSYCHOLOGY

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37, 38 — *Supplementary laboratory work* in mechanics, heat, light or electricity, electronics and the properties of vacuum tubes may be arranged in consultation with the instructors. Professor BOORSE and Dr. TOWNSEND. Hours and credit by arrangement.

40 — *Heat and introduction to thermodynamics*. Professor BOORSE. 4 points. Prerequisite, Courses 31 and 36, except on written permission of the department. Preceding or parallel, Mathematics 31-32. Hours to be arranged.

105, 106 — *Selected topics in modern physics*. A seminar course in mathematical physics open to those students who have completed the departmental offering, or to especially qualified students who wish to investigate in detail one field of physics or one line of current research. Professor BOORSE. 6 points. Open only on written permission of the department. Hours to be arranged.

PORTUGUESE

1-2 — *Elementary full-year course*. Grammar, reading of Portuguese and Brazilian authors, oral reports and conversation. ————. 6 points. This course may not be taken parallel to Italian 1-2 or Spanish 1-2. M., W. and F. at 3.

PSYCHOLOGY

HARRY L. HOLLINGWORTH, Ph.D., LL.D., Professor of Psychology, *Executive officer*.

RICHARD PARDEE YOUTZ, Ph.D., Assistant Professor of Psychology.

GELOLO MCHUGH, A.M., Instructor in Psychology.

S. STANSFELD SARGENT, Ph.D., Instructor in Psychology.

TOM GAYLORD ANDREWS, Ph.D., Lecturer in Psychology.

A major in psychology will satisfy the requirement in Group. II. Students majoring in this subject must satisfy the 14-point requirement in Group III in subjects other than psychology. For other students, courses in psychology will count toward the requirement in the group indicated for each course by the statement made in connection with the point value.

A major in psychology.—Students majoring in psychology will be required to take in

Psychology — Courses 1 or 2; 7-8; and the additional points with the advice of the department.

Other fields — One year in philosophy (6 points); one year (8 points) in another laboratory science and an organized program in other fields to be arranged in consultation with the department.

Sequence of courses:

Courses 1 or 2, 10, 19 or 27, 23, 24, 28 make a good grouping for students interested in education.

Courses 1 or 2, 10, 19 or 27, 22, 23, 24, 28, 37 meet the interest of students in the social sciences, social work, business and practical affairs.

Courses 1 or 2, 7-8, 10, 19, 22, 23, 48, 117, 118 constitute a good background for more advanced work in psychology and related fields.

1 (or 2) — *Introduction to psychology*. An introduction to the chief facts, principles and problems of normal adult psychology, through systematic study of a text, lectures, exercises and reading in special fields. This course is prerequisite for all other courses in psychology and in education. 4 points either session in Group III.

Winter session: 1 — M., W. and F. at 9 (I). Dr. ANDREWS. M., W. and F. at 10 (II). Professor YOUTZ. Tu., Th. and S. at 9 (III) for freshmen only. Dr. SARGENT.

Spring session: 2 — M., W. and F. at 10 (I). Professor YOUTZ. M., W. and F. at 11 (II). Mr. McHUGH. Tu., Th. and S. at 9 (III) for freshmen only. Dr. SARGENT.

3 — *Mental adjustment laboratory*. May include an analysis, by objective tests and standard scales, of the aptitudes, interests, attitudes, methods of study, and other traits, of each student, with a view to providing information that may be practically useful to each individual. Mr. McHUGH. No points credit. Conferences for students who may have difficulties in adjustment to problems of mental health, educational achievement, and vocational or avocational guidance. Interested students should consult the instructor early in the term. F., 1-4.

7-8 — *Experimental psychology*. The course presents the chief problems, methods and results of experimental psychology. Each student conducts a series of typical individual experiments, participates in certain group experiments, prepares systematic reports of results, and is introduced to the literature of experimental psychology. Full-year course. 8 points in Group II. Prerequisite, Course 1 or the equivalent. (Written permission required for specific section.)

M. and W., 1-4 (I) limited to 20 students. Professor YOUTZ.

M. and W., 1-4 (II) limited to 12 students. Dr. ANDREWS.

Tu. and Th., 2-5 (III) limited to 20 students. Dr. SARGENT.

Tu. and Th., 2-5 (IV) limited to 12 students. Mr. McHUGH.

10 — *Psychometric methods*. Designed to acquaint students with statistical methods employed in psychology. Topics included are theory of statistics, problems of gathering data, central tendency, variability, significance of differences, psychophysics, psychological scaling methods, curve fitting, simple, multiple and partial correlation, mental test methods, factor analysis and practice. Dr. ANDREWS. 3 points in Group II. Prerequisite, Course 7-8. No credit allowed students who have taken Economics 17-18. W. and F. at 9.

19 — *Developmental psychology*. A survey of mental origins, of the developmental stages of human life through infancy, childhood, youth, maturity and old age, with special reference to biological, psychological and social factors in individual growth and adjustment and to the formulation of general developmental laws. Special reading will be directed toward the psychology of childhood and adolescence. Professor HOLLINGWORTH. 3 points in Group II. Open to juniors and seniors who have had Course 1 or the equivalent. Cannot be elected if Course 27 is taken. Tu. and Th. at 11.

22 — *Abnormal psychology*. A general survey of the field of psychopathology, the history of the subject, the more common forms of mental inadequacy and disturbance and their psychological interpretation, including the principles of mental hygiene and psychotherapy. Professor HOLLINGWORTH. 3 points in Group II. Open to juniors and seniors who have had Course 19 or 27. Tu. and Th. at 11.

23 — *Differential psychology*. A survey of the field of mental testing and of the factors underlying individual differences in intellectual as well as personality traits, followed by a critical analysis of the major findings on sex differences and on racial, national and cultural differences. Dr. SARGENT. 2 points in Group II. Prerequisite, Course 1 or the equivalent. Tu. and Th. at 10.

24 — *Applied psychology*. Applications of psychology to problems of vocational guidance and selection, personnel, industrial management and efficiency of work, advertising and selling, detection and treatment of delinquents and criminals and other miscellaneous problems of practical interest. Dr. SARGENT. 2 or 3 points in Group II. Prerequisite, Course 1 or the equivalent. Tu. and Th. at 10 (2 points); additional conference hour to be arranged (3 points).

27 — *Psychology of childhood*. A detailed study of the practical problems of infancy and early childhood, with special emphasis on learning, emotional development, social adjustment, and modern conceptions and methods of child training and guidance. Individual work with children. Mr. McHUGH. 3 points in Group III. Prerequisite, Course 1 or the equivalent. Cannot be elected if Course 19 is taken. M., W. and F. at 10.

28 — *Psychology of adolescence*. The mental, social, moral and emotional development of adolescence and youth will be studied, special attention being given to such topics as guidance, adjustment, interests, motivation, home problems, sex relations, recreation, delinquency and development for citizenship. Individual work with adolescent children. Mr. McHUGH. 3 points in Group III. Prerequisite, Course 19 or 27. Not open for credit to students who have taken or plan to take *Education* 51ES-52ES. M., W. and F. at 10.

37 — *Social psychology*. An analysis of the psychological principles underlying social behavior, the influence of the group upon individual behavior and the development of social relations in the individual; propaganda; attitudes and beliefs; examination of experimental methods and results. Professor YOUTZ. 2 or 3 points in Group III. Prerequisite, Course 1 or the equivalent. M. and W. at 11 (2 points); additional conference hour to be arranged (3 points).

48 — *Advanced experimental problems*. Investigations of reasoning, problem-solving and related topics. After a brief survey of the field by the instructor, individual experiments will be planned and undertaken. Designed chiefly for students who show signs of interest and capability in the conduct of research. Professor YOUTZ. 2 points in Group II. Open on written permission of the instructor only to majors who have had Course 7-8. Hours to be arranged.

117 — *Psychological seminar*. The instructor surveys the researches undertaken by the Barnard department. Each student reports on subsequent developments and related investigations and becomes acquainted with some of the original studies. Of interest chiefly to those who expect to do advanced work in psychology or related fields. Professor HOLLINGWORTH. 3 points in Group II. Open only to majors who have had Course 7-8. Tu. and Th., at 2.

118 (old number 119) — *Systematic psychology*. A comparative and critical survey of the more influential points of view in psychology, with an endeavor to organize them into a consistent system of facts and principles. The instructor reviews contemporary viewpoints on selected representative topics and each student makes and reports a critical examination of some one system or school of psychology. Professor HOLLINGWORTH. 3 points in Group II. Open only to majors who have had Course 7-8. Tu. and Th. at 2 for lectures and discussions.

PUBLIC ADMINISTRATION. See *Government*.

RELIGION

*HORACE L. FRIESS, Ph.D., Associate Professor of Philosophy, *Executive officer*.
URSULA M. NIEBUHR, M.A. (Oxon.), Lecturer in Religion.

*HENRY R. ZIMMER, Ph.D., Visiting Lecturer in Philosophy.

A major in religion. — Students majoring in religion will be required to take the following courses in

Religion — Courses 1, 2, 3, 4, and 6 further points in religion. (They are advised to take 1, 2 and 3, 4 as 6-point courses.)

Other fields — Philosophy 61-62, and at least 6 further points, selected in consultation with the department from courses such as: Anthropology 14, Fine arts 90, and others in accordance with individual requirements.

* Officer of Columbia University giving courses in Barnard College.

Majors are also advised to consult with the department regarding the selection of courses outside these requirements, since work done in such fields as philosophy, psychology, anthropology, history, social sciences, literature and fine arts can be so chosen as to contribute substantially to the study of religion.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in religion will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. This examination will consist of two parts, one of which will be in certain common portions of the history of religion and the other according to the work pursued by the individual student.

1, 2 — *The Bible.* Winter session: The development of the religious ideas of the Old Testament, with reference both to the historical backgrounds and to the problems of expression involved. Study will be directed so that, in addition to the general survey, each student should have particular knowledge of the structure and contents of at least one historical book, one prophetic book and one poetic or wisdom book. Spring session: The thought and literature of the New Testament. The earliest records; a study of the Gospels in the making, and the content of the early preaching. St. Paul's letters; his theology and the development of the early church. The Book of Acts; the story of how the Gospel spread from Jerusalem to Rome. The Johannine Gospel and Epistles. The Gospel in a gentile world. Persecutions and heresies. Other New Testament writings. Mrs. NIEBUHR. 4 or, with written permission of the instructor, 6 points. Tu. and Th. at 11.

[3, 4 — *A study of religions.* Professor FRIESS. 4 or 6 points. *Not given in 1942-43.* See Course 7 for equivalent of Course 4.]

[5, 6 — *The historical background and early development of Christianity.* Mrs. NIEBUHR. 4 or 6 points. *Not given in 1942-43.*]

7 — *A study of Far Eastern religions.* The native religions of China, Japan, India and Indonesia: Confucianism, Taoism, Shinto, Hinduism, and Buddhism. Special attention will be given to the mythologies and philosophies of these religions, their expressions in art, their psychological and social implications. Readings in primary sources and critical literature, also photographs and slides will be used. Dr. ZIMMER. 2 points; 3 points for majors taking this course in lieu of Course 4. Open to all excepting freshmen. Tu. and Th. at 2.

9, 10 — *Religion and contemporary social issues.* An analysis of the contemporary situation, with consideration of the religious factors involved. Issues in the interpretation of human nature, freedom and order from a religious viewpoint. Discussion will include the relation of religious forces and presuppositions to the development of nationalism and democracy; varying religious positions on problems of international relations and war, social and economic justice, and of race. Religion and the ethics of social change. Mrs. NIEBUHR. 4 or, with written permission of the instructor, 6 points. Open to all excepting freshmen. Tu. and Th. at 10.

RENAISSANCE STUDIES. See *Interdepartmental courses*, page 58.

SEMITIC LANGUAGES

Courses in Hebrew and Arabic language, literature and history, given at Columbia University and described in the Announcement of the Division of Ancient and Oriental Languages and Literatures, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SLAVONIC LANGUAGES

Courses in Russian literature in translation and Russian language, given at Columbia University and described respectively in the Announcement of the Division of Modern Languages and Literatures and in the Announcement of University Classes, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SOCIOLOGY. See *Economics and Sociology*.

SPANISH

AMELIA A. DE DEL RÍO, A.M., Lecturer in Spanish, *Executive officer*.

ANDRES IDUARTE, Lic. en D., Instructor in Spanish.

ARSENIA ARROYO, Lecturer in Spanish.

A major in Spanish. — Students majoring in Spanish will be required to take in

Spanish — Courses 3, 4 or 5, 6; 13, 14, 15, 16, 21, 22; and either 17-18 or a more advanced course to be chosen in consultation with the department.

Other fields — Courses will vary with the special interest of the student and should be arranged in consultation with the major department. Courses especially recommended: History 1-2, 17, 18, and 25, 26, two years of French.

Major examination. — Beginning with the members of the class of 1943, who chose their majors in the spring of 1941, all students majoring in Spanish will be required to pass with a grade of at least C a major examination in addition to taking the courses mentioned above. Information concerning this examination will be available on application to the department.

Language courses

1-2 — *Elementary full-year course.* Grammar, reading, conversation. Mrs. DEL RÍO, Miss ARROYO and Professor RICCIO. 6 points. This course may not be taken parallel to Italian 1-2 or Portuguese 1-2. M., W. and F. at 9 (I and II); at 11 (III); at 2 (IV) and Tu. and Th. at 11 and F. at 2 (V).

3, 4 — *Intermediate course*. A rapid review of grammar and syntax, conversation and study of nineteenth-century literature in Spain, reading and discussion of the most important works. Winter session: The romantic movement: drama and poetry. Spring session: Development of the novel. Mrs. DEL RÍO, Mr. IDUARTE and Miss ARROYO. 6 points. Prerequisite for Course 3, Course 1-2 or two years of high-school Spanish. Prerequisite for Course 4, Course 3 or three years of high-school Spanish. M., W. and F. at 11 (I), at 1 (II), at 2 (III).

3R — *Intermediate course in grammar and composition. Part II*. The equivalent of Course 4 given for students who have had three years of high-school Spanish. Emphasis on oral self-expression and written translation. Miss ARROYO. 2 or, with written permission of the instructor, 3 points. Tu. and Th. at 9.

4a — *Advanced course in grammar and composition*. Emphasis on original writing of stories, short plays and essays. Miss ARROYO. 2 or, with written permission of the instructor, 3 points. Prerequisite, Course 3R or 4. Tu. and Th. at 9.

5, 6 — *Spanish composition*. Study of the style of modern authors, and oral and written composition. Mr. IDUARTE. 4 points. Prerequisite, Course 3. Tu. and Th. at 11.

9-10 — *Elementary Spanish conversation*. Miss ARROYO. 2 points for the year if taken parallel to another Spanish course in either session. Full-year course, divisible only for students who are taking another Spanish course. Th. at 1.

11-12 — *Advanced Spanish conversation*. Discussions and reports on Spanish subjects. Mrs. DEL RÍO. 2 points for the year if taken parallel to another Spanish course in either session. Full-year course, divisible only for students who are taking another Spanish course. Th. at 1.

*Literature courses*¹

13, 14 — *The culture of the Spanish countries*. Winter session: The history and culture of Spain. Spring session: The development of Spanish American culture. Mr. IDUARTE. 4 or, with written permission of the instructor, 6 points. Prerequisite, Course 3, 4 or 5, 6. M. and W. at 1.

15, 16 — *Introduction to Spanish literature*. Lectures on the history of Spanish literature, reading, reports and discussion of the outstanding works and authors up to the end of the nineteenth century. Mr. IDUARTE. 6 or, with written permission of the instructor, 8 points. Prerequisite, Course 3, 4 or 3R, 4a or 5, 6. M., W. and F. at 10.

17-18 — *The Spanish drama of the Golden Age*. Winter session: Reading and discussion of the medieval antecedents and the sixteenth-century theatre, including Lope de Vega. Spring session: The theatre after Lope de Vega, with emphasis on Calderón. Full-year course. Mrs. DEL RÍO. 6 points. Prerequisite, Course 15, 16. Tu. and Th. at 10 and Th. at 2.

¹ All courses are conducted entirely in Spanish.

21, 22 — *Contemporary Spanish literature*. Winter session: Essay and novel. Spring session: Theatre and poetry. Mrs. DEL RÍO. 6 points. Prerequisite, Course 13, 14 or 15, 16. Tu. and Th. at 11 and a third hour to be arranged.

23 — *Spanish American literature*. — — —. 3 points. Prerequisite, Course 13, 14 or 15, 16 except on written permission of the department. M. and W. at 2.

Graduate courses¹

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures. The following are specially recommended as suitable for Barnard seniors:

*103-104 — *Historia de la lengua española*. Professor NAVARRO TOMÁS. 6 points.

*136 — *La literatura argentina*. Conferencias sobre el desarrollo y carácter de la nacionalidad argentina y su expresión en la literatura. Mr. IDUARTE. 3 points.

ZOÖLOGY

HENRY E. CRAMPTON, Ph.D., Sc.D., Professor of Zoölogy, *Executive officer*.

LOUISE HOYT GREGORY, Ph.D., Professor of Zoölogy.

FLORENCE DE LOISELLE LOWTHER, Ph.D., Associate Professor of Zoölogy.

GRACE SPRINGER FORBES, Ph.D., Instructor in Zoölogy.

J. EDWERTA MERRILL, A.M., Lecturer in Zoölogy.

A major in zoölogy. — Students majoring in zoölogy will be required to take in

Zoölogy — Course 1-2 and other courses in combination or in sequence which will vary with the individual interest and purpose of the student and should be arranged in consultation with the department.

Other fields — The work will vary with the special interest of the student and should be arranged in consultation with the major department.

1-2 — *General biology and general zoölogy*. Full-year elementary course. Professor CRAMPTON, and Misses MERRILL, GIBBS, HAGEN, ZORZOLI and COVALLA. 8 points. Lectures: Tu. and Th. at 2. Laboratory (4 hours): Tu. and Th., 9-11 or 10-12, or 3-5, or W. and F., 2-4.

5, 6 — *Evolution and heredity*. Professor LOWTHER (winter session), Professor CRAMPTON (spring session). 4 points. Prerequisite, Course 1-2. Tu. and Th. at 10.

¹ All courses are conducted entirely in Spanish.

9-10 — *Human biology*. An elementary course designed especially for students whose interests are not primarily zoölogical. Full-year course. Professor LOWTHER. 6 points. Open to students of all classes. Will not satisfy the requirement of a laboratory science. Lectures: Tu. and Th. at 2. Conference and demonstrations: F., 2-4.

13 — *Histology and histological methods*. Dr. FORBES. 5 points. Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory and conferences (6 hours): M. and W., or Tu. and Th., 2-5.

14 — *Embryology and embryological methods*. Dr. FORBES. 3 or 5 points, to be arranged with the department before registration. Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory: For students taking 3 points (2 hours), F., 2-4; for students taking 5 points (6 hours), Tu. and Th., 2-5.

[22 — *Animal ecology*. General principles of ecology with special reference to the New York region. Recommended for students interested in further biological research and teaching. ———. 4 points. Prerequisite, Course 1-2. *Not given in 1942-43.*]

30 — *Biology of the endocrine organs*. The structure, embryology and evolutionary history of the endocrine glands with special emphasis on their control of development. Dr. FORBES. 3 points. Prerequisite, Courses 1-2 and 13 and Chemistry 5-6. Preceding or parallel, Course 14. Open to seniors and to qualified juniors on written permission of the department. Tu. and Th. at 9 and a third hour to be arranged for conferences and demonstrations.

97-98 — *Comparative morphology and physiology of vertebrates*. Practical course in dissection and experimentation, with special reference to the mammalia. Recommended for pre-medical students and technicians. Full-year course. Professors GREGORY and LOWTHER and Miss MERRILL. 12 points. Prerequisite, Course 1-2 and Chemistry 5-6. By special permission, qualified students may take the physiology only for 6 points. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 2-5 or Tu. and Th., 2-5.

[151 — *Physiology*. Professor GREGORY and Miss MERRILL. General principles of animal physiology. 6 points. Prerequisite Course 1-2 and Chemistry 5-6. Open to seniors. *Not given in 1942-43.*]

Physiological chemistry. Dr. DOWNES. 6 points. See Chemistry 150, page 64.

161, 162 — *Advanced invertebrate and vertebrate morphology, physiology, histology and embryology*. Professors CRAMPTON, GREGORY and LOWTHER and Dr. FORBES. Work will be planned to suit the needs of students after consultation with the instructors. Hours and credit by arrangement.

SCHEME OF

Hours	MONDAY	TUESDAY	WEDNESDAY
A.M.	Botany 57 Chemistry 41-42 Chemistry 42a Economics 1-2 (IV) English 53-54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) French 17, 18 German 1-2 (I) German 3, 4 (I) German 36 German 51 Government 1, 2 History 1-2 (I) History 5, 6 Latin 3, 4 Latin 21, 22 Mathematics 1, 22 Mathematics 21R Mathematics 32R Philosophy 1 (I) or 2 (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Spanish 1-2 (I, II)	Botany 51-52 Economics 15, 16 English 25-26 French 3, 4 (II) Geography 1-2 German 1-2 (III) German 27 German 30 History 37, 38 Italian 13, 14 Latin 25, 26 Mathematics 31R Philosophy 1 (III) or 2 (II) Philosophy 41-42 Psychology 1 (III) or 2 (III) Spanish 3R, 4a Zoology 30	Botany 57 Chemistry 41-42 Chemistry 42a Economics 1-2 (IV) English 53-54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) French 17, 18 German 1-2 (I) German 3, 4 (I) German 36 German 51 Government 1, 2 History 1-2 (I) History 5, 6 Latin 3, 4 Latin 21, 22 Mathematics 1, 22 Mathematics 21R Mathematics 32R Philosophy 1 (I) or 2 (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Psychology 10 Spanish 1-2 (I, II)
9	American Studies 1-2 Chemistry 63, 64 Chemistry 106 Economics 1-2 (I, II) English A (Ia, b, c) English A (IVa) English 59, 60 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geography 10 Geology 3 German 7, 8 Greek 11, 12 History 25, 26 Mathematics 31-32 Mathematics 33 or 34R Philosophy 3 Physics 34 Psychology 1 (II) or 2 (I) Psychology 27, 28 Spanish 15, 16 Zoology 97-98	Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (Va) English 1, 2 English 3 English 27 English 61-62 English 69, 70 Fine Arts 1-2 Fine Arts 62 French 9, 10 French 25, 26 German 9, 10 History 17, 18 Mathematics 2R Mathematics 23 *Music 19, 20 *Music 105-106 Philosophy 145-146 Psychology 23, 24 Religion 9, 10 Spanish 17-18 Zoology 5, 6	American Studies 1-2 Chemistry 63, 64 Chemistry 106 Economics 1-2 (I, II) English A (Ia, b, c) English 59, 60 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geography 10 Geology 3 German 7, 8 Greek 11, 12 History 25, 26 Mathematics 31-32 Mathematics 33 or 34R Philosophy 3 Physics 34 Psychology 1 (II) or 2 (I) Psychology 27, 28 Spanish 15, 16 Zoology 97-98
10	Anthropology 107, 108 Botany 53-54 Chemistry 145, 146 Chemistry 150 Economics 27, 28 English 21-22 (I) English 39-40 English 71, 72 English 73 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 27, 28 French 125-126 German 3, 4 (II) German 5, 6 Government 3, 4 History 1-2 (II, III) History 9, 10 Mathematics 7-8 (I) Mathematics 133, 134 *Music 107, 108 Philosophy 1 (II) Philosophy 12 Physics 11-12 Psychology 2 (II) Psychology 37 Sociology 1-2 Spanish 1-2 (III) Spanish 3, 4 (I)	*Astronomy 1-2 Botany 153, 58 Classical Civilization 55, 56 Economics 1-2 (III) Economics 13, 14 English A (IVa) English A (VIa) English 49, 50 English 77-78 Fine Arts 65, 66 French 31, 32 French 34a Geology 1-2 Geology 15-16 German 45, 46 Greek 25 History 1-2 (IV) Hygiene A1-A2 (I) Italian 15, 16 Music 1-2 *Music 23-24 Philosophy 45, 46 Psychology 19, 22 Religion 1, 2 Spanish 1-2 (V) Spanish 5, 6 Spanish 21, 22 Zoology 13, 14	Anthropology 107, 108 Botany 53-54 Chemistry 145, 146 Chemistry 150 Economics 27, 28 English 21-22 (I) English 39-40 English 71, 72 English 73 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 27, 28 French 125-126 German 3, 4 (II) German 5, 6 Government 3, 4 Greek 21, 22 History 1-2 (II, III) History 9, 10 Mathematics 7-8 (I) Mathematics 133, 134 *Music 107, 108 Philosophy 1 (II) Philosophy 12 Physics 11-12 Psychology 2 (II) Psychology 37 Sociology 1-2 Spanish 1-2 (III) Spanish 3, 4 (I)
11			

Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
A.M.	Botany 51-52 Economics 15, 16 English 25-26 French 3, 4 (II) Geography 1-2 German 1-2 (III) German 27 German 30 History 37, 38 Italian 13, 14 Latin 25, 26 Mathematics 31R Philosophy 1 (III) or 2 (II) Philosophy 41-42 Psychology 1 (III) or 2 (III) Spanish 3R, 4a Zoology 30	Chemistry 41-42 Chemistry 42a Economics 1-2 (IV) English 53-54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) German 1-2 (I) German 3, 4 (I) German 36 German 51 Government 1, 2 History 1-2 (I) History 5, 6 Latin 3, 4 Latin 21, 22 Mathematics, 1, 22 Mathematics 21R Mathematics 32R Philosophy 1 (I) or 2 (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Psychology 10 Spanish 1-2 (I, II)	French 3, 4 (II) Mathematics 31R Philosophy 1 (III) or 2 (II) Psychology 1 (III) or 2 (III)
9			
10	Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (Va) English 1, 2 English 3 English 27 English 61-62 English 69, 70 Fine Arts 1-2 Fine Arts 62 French 9, 10 French 25, 26 German 9, 10 History 17, 18 Mathematics 2R Mathematics 23 *Music 19, 20 *Music 105-106 Philosophy 145-146 Psychology 23, 24 Religion 9, 10 Spanish 17-18 Zoology 5, 6	American Studies 1-2 Chemistry 63, 64 Chemistry 106 Economics 1-2 (I, II) English A (Ia, b, c) English 59, 60 Fine Arts 41 Fine Arts 67 (I) French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geography 10 Geology 3 German 7, 8 Greek 11, 12 History 25, 26 Mathematics 31-32 Mathematics 33 or 34R Philosophy 3 Physics 34 Psychology 1 (II) or 2 (I) Psychology 27, 28 Sociology 1-2 Spanish 15, 16 Zoology 97-98	Chemistry 5-6 English A (Va) Mathematics 2R Mathematics 23
11	*Astronomy 1-2 Botany 153, 58 Classical Civilization 55, 56 Economics 1-2 (III) Economics 13, 14 English A (IVa) English A (VIa) English 49, 50 English 77-78 Fine Arts 65, 66 French 31, 32 French 34a Geology 1-2 Geology 15-16 German 45, 46 Greek 25 History 1-2 (IV) Italian 15, 16 Music 1-2 *Music 23-24 Philosophy 45, 46 Psychology 19, 22 Religion 1, 2 Spanish 1-2 (V) Spanish 5, 6 Spanish 21, 22 Zoology 13, 14	Anthropology 107, 108 Chemistry 145, 146 Chemistry 150 Economics 27, 28 English 21-22 (I) English 39-40 English 71, 72 English 73 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 125-126 German 3, 4 (II) German 5, 6 Government 3, 4 Greek 21, 22 History 1-2 (II, III) History 9, 10 Hygiene A1-A2 (IV) Mathematics 7-8 (I) Mathematics 133, 134 Philosophy 1 (II) Philosophy 12 Physics 11-12 Psychology 2 (II) Sociology 1-2 Spanish 1-2 (III) Spanish 3, 4 (I)	English A (VIa) History 1-2 (IV)

those marked with a dagger [†] are given at Teachers College.

SCHEME OF

Hours	MONDAY	TUESDAY	WEDNESDAY
P.M.	Anthropology 3, 4 Botany 60 Botany 151-152 Comparative Literature 9, 10 Economics 19, 20 English A (IIa) English 21-22 (II) French 3R (I, II) French 6R French 6xR French 5x, 6x (IV) French 11, 12 French 35, 36 Geology 19 Geology 28 German 1-2 (II) German 3R, 4a Government 11, 12 History 13, 14 History 21-22 Latin 11, 12 Mathematics 7-8 (II) Mathematics 47 Mathematics 58 *Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, II) Spanish 3, 4 (II) Spanish 13, 14		Anthropology 3, 4 Botany 151-152 Comparative Literature 9, 10 Economics 19, 20 English A (IIa) English 21-22 (II) French 3R (I, II) French 6R French 6xR French 5x, 6x (IV) French 11, 12 French 35, 36 Geology 19 Geology 28 German 1-2 (II) German 3R, 4a Government 11, 12 History 13, 14 History 21-22 Latin 11, 12 Mathematics 7-8 (II) Mathematics 47 Mathematics 58 *Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, II) Spanish 3, 4 (II) Spanish 13, 14
1:10	*Anthropology 127, 128 Chemistry 105 Economics 23, 24 †Education 51ES-52ES English A (IIIa) Fine Arts 75, 76 French 3, 4 (I) Government 25, 26 Greek 1-2 History 3-4 Italian 1-2 Italian 3-4 Latin 1-2 Mathematics 29 Mathematics 56 *Music 15, 16 *Music 35-36 *Music 37-38 Psychology 7-8 (I, II) Sociology 7, 8 Spanish 1-2 (IV) Spanish 3, 4 (III) Spanish 23	Classical Civilization 53, 54 *Drawing u11-u12 Economics 4 †Education 53ES-54ES English 23-24 English 63 *English 213-214 Fine Arts 51, 52 Government 31, 32 Greek 1-2 History 11, 12 Hygiene A1-A2 (II) Italian 3-4 Music 2aR Music 11 Psychology 7-8 (III, IV) Psychology 117, 118 Religion 7 Sociology 31, 32 Zoology 1-2 Zoology 9-10	*Anthropology 127, 128 Chemistry 105 Economics 23, 24 †Education 51ES-52ES English A (IIIa) Fine Arts 75, 76 French 3, 4 (I) Greek 1-2 History 3-4 Italian 1-2 Italian 3-4 Latin 1-2 Mathematics 29 Mathematics 56 *Music 15, 16 *Music 131-132 Psychology 7-8 (I, II) Sociology 7, 8 Spanish 1-2 (IV) Spanish 3, 4 (III) Spanish 23
2:10	Archaeology 64 Botany 59 Botany 124 †Education 51ES-52ES English 15, 16 Government 25, 26 Latin 19-20 *Music 39-40 Psychology 7-8 (I, II)	*Drawing u11-u12 English 55, 56 English 91, 92 (I) Geology 7, 8 Latin 41, 42 Psychology 7-8 (III, IV) Sociology 31, 32	Anthropology 5, 6 Archaeology 64 Botany 59 Botany 124 English 15, 16 English 91, 92 (II) Fine Arts 97, 98 Music 1a, 2a *Music 71-72 (3-4:25) *Music 131-132 Psychology 7-8 (I, II)
3:10	*Greek 101, 102 *Music 63, 64 (I) *Music 75-76 Portuguese 1-2	Comparative Linguistics 1, 2 English 11, 12 (4-5:50) English 91, 92 (I) *Music 13-14 Psychology 7-8 (III, IV)	Anthropology 5, 6 Economics 51, 52 English 15, 16 English 91, 92 (II) *Greek 101, 102 *Music 71-72 (3-4:25) Portuguese 1-2
4:10	*Music 63, 64 (I) *Music 75-76 Choir practice Glee Club (5-6:15)	English 11, 12 (4-5:50) *Music 13-14	Economics 51, 52 Choir practice Glee Club (5-6)
5:10			

Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
P.M.	Chemistry 65, 66 Economics 1-2 (III) French 7, 8 (I, II) Geography 1-2 Hygiene A1-A2 (III) Italian 11, 12 Italian 15, 16 Latin 17-18 Latin 29-30 Music 1-2 Sociology 21, 22 Spanish 9-10 Spanish 11-12	Anthropology 3, 4 Chemistry 5-6 Comparative Literature 9, 10 Economics 19, 20 English A (IIa) English 21-22 (II) French 3R (I, II) French 6R French 6xR French 5x, 6x (IV) French 11, 12 French 35, 36 Geology 19 Geology 28 German 1-2 (II) German 3R, 4a Government 11, 12 History 13, 14 History 21-22 Latin 11, 12 Mathematics 7-8 (II) Mathematics 47 Mathematics 58 *Music 31-32 Physics 31 Physics 36 Psychology 3 Spanish 3, 4 (II)	
1:10			
2:10	Classical Civilization 53, 54 *Drawing u11-u12 Economics 4 †Education 53ES-54ES English 23-24 English 63 *English 213-214 Fine Arts 51, 52 Government 31, 32 Greek 1-2 History 11, 12 Italian 3-4 Music 2aR Music 11 *Music 109, 110 Psychology 7-8 (III, IV) Psychology 117, 118 Religion 7 Sociology 21, 22 Spanish 17-18 Zoology 1-2 Zoology 9-10	Chemistry 105 Economics 23, 24 English A (IIIa) English 91, 92 (III) French 3, 4 (I) German 1-2 (III) Greek 1-2 History 3-4 Italian 1-2 Italian 3-4 Latin 1-2 Mathematics 29 Mathematics 56 *Music 15, 16 *Music 35-36 *Music 37-38 Psychology 3 Sociology 7, 8 Spanish 1-2 (IV, V) Spanish 3, 4 (III)	
3:10	*Drawing u11-u12 †Education 53ES-54ES English 23-24 English 55, 56 Geology 7, 8 Latin 41, 42 *Music 109, 110 Psychology 7-8 (III, IV) Sociology 41, 42	English 91, 92 (III) Fine Arts 67 (I, II) Music 1a, 2a Philosophical Studies 2 Portuguese 1-2 Psychology 3	
4:10	Comparative Linguistics 1, 2 Government 61, 62 History 45, 46 *Music 133-134 Psychology 7-8 (III, IV) Sociology 41, 42	Philosophical Studies 2	
5:10	Government 61, 62 *Latin 139-140 *Music 133-134	Choir practice	

those marked with a dagger [†] are given at Teachers College.

ACADEMIC CALENDAR

1942-1943

1942

- July 7 — Tuesday. Forty-third Summer Session of Columbia University begins.
- Aug. 19 — Wednesday. Last day for application for the September examinations of the College Entrance Examination Board. The privilege of later application may be granted on payment of a late fee.
- Aug. 31 — Monday. Last day for filing applications for deficiency examinations.
The privilege of later application may be granted on payment of a fee of \$5.
- Sept. 4 — Friday. Barnard section of the Columbia University Summer Session ends.
- Sept. 9 — Wednesday. Entrance examinations begin.
- Sept. 14 — Monday. Examinations for deficient students begin.
- Sept. 18 — Friday. Registration (including the payment of fees) begins.
- Sept. 22 — Tuesday. Registration ceases for Barnard students previously matriculated.
The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 23 — Wednesday. Winter Session, fifty-fourth year, begins.
Registration ceases for students matriculating for the first time.
The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 24 — Thursday. Classes begin.
- Oct. 20 — Tuesday. Stated meeting of University Council.
- Nov. 3 — Tuesday. Election Day. Holiday.
- Nov. 24 — Tuesday. Annual Thanksgiving Service in St. Paul's Chapel.
- Nov. 26 — Thursday. Thanksgiving Day. Holiday.
- Dec. 15 — Tuesday. Stated meeting of University Council.
- Dec. 21 — Monday
- 1943 to
- Jan. 3 — Sunday, inclusive. Christmas holidays.
- Jan. 17 — Sunday. Annual Commemoration Service in St. Paul's Chapel.
- Jan. 18 — Monday. Mid-year examinations begin.
- Jan. 29 — Friday and
- Feb. 1 — Monday. Registration for students who have been in attendance during the Winter Session and whose programs have been approved.
The privilege of later registration for these students may be granted on payment of a fee of \$5.

- Feb. 2 — Tuesday. Winter Session ends.
Registration for students matriculating for the first time and for students who have been in attendance during the Winter Session and whose registration is deferred to this date by ruling of the Committee on Students' Programs.
The privilege of a late registration may be granted on the payment of a fee of \$5.
- Feb. 3 — Wednesday. Spring Session begins. Classes begin.
- Feb. 12 — Friday. Alumnae Day.
- Feb. 16 — Tuesday. Stated meeting of University Council.
- Feb. 22 — Monday. Washington's Birthday. Holiday.
- March 1 — Monday. Last day for filing applications for non-competitive scholarships, grants-in-aid, and residence grants.
- April 10 — Saturday. Admission and scholarship examinations conducted by the College Entrance Examination Board.
- April 20 — Tuesday. Stated meeting of University Council.
- April 18 — Sunday
to
April 25 — Sunday, inclusive. Easter holidays.
- May 17 — Monday. Final examinations begin.
- May 30 — Sunday. Baccalaureate Service.
- May 31 — Monday. Memorial Day. Holiday.
- June 2 — Wednesday. Conferring of degrees.
- June 9 — Wednesday. Spring Session ends.
- June 19 — Saturday. Examinations of the College Entrance Examination Board begin. The dates for filing applications are contained in a circular issued by the Board, 431 West 117th Street, New York, N. Y.
- July 7 — Wednesday. Forty-fourth Summer Session of Columbia University begins.
- Sept. 6 — Monday. Last day for filing applications for deficiency examinations.
- Sept. 20 — Monday. Examinations for deficient students begin.
- Sept. 24 — Friday. Registration (including the payment of fees) begins.
- Sept. 28 — Tuesday. Registration ceases for Barnard students previously matriculated.
The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 29 — Wednesday. Winter Session, fifty-fifth year, begins.
Registration ceases for students matriculating for the first time. The privilege of later registration may be granted on payment of a fee of \$5.

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